

62

1963
SEED ANNUAL

SEED
MERCHANTS

Grand Rapids Growers, Inc.

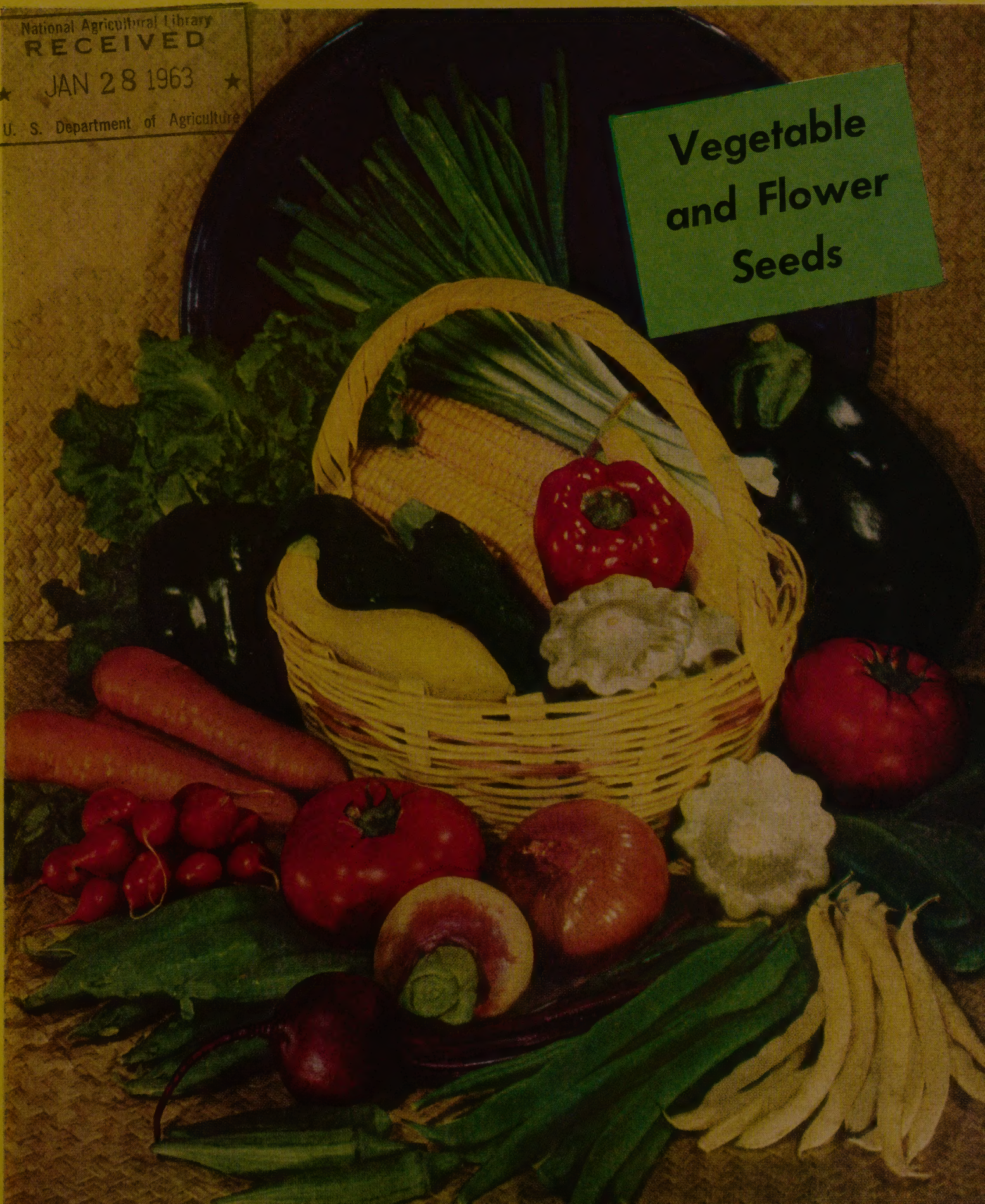
401-433 Ionia Ave., S. W. GRAND RAPIDS, MICH.

National Agricultural Library
RECEIVED

★ JAN 28 1963 ★

U. S. Department of Agriculture

Vegetable
and Flower
Seeds



FORCING VARIETIES

The Most Dependable Seed for Greenhouse Crops

These varieties are used in all parts of the country by the best and largest growers in the business. If you are not familiar with these varieties, give us a trial order and get acquainted with their merits. Below we give you a partial description, with a fuller one in the catalog pages specified. We have appreciated a nice business on our forcing varieties. An order from you will be filled on the same day it is received.



LETTUCE GRAND RAPIDS FORCING

Washington Strain

A splendid forcing strain. Heads light green, very heavy; leaf crisp, tender and curly; quality of the best. Complete description on page 18.

Oz. 25c; 1/4lb. 70c; lb. \$2.00, postpaid

RADISH GRAND RAPIDS FORCING

New Improved

The best greenhouse variety and the earliest of the Scarlet Globe type, with the shortest top. Superior for greenhouse forcing. Full description on page 25.

Oz. 15c; 1/4lb. 30c, postpaid. Lb. \$1.00, not postpaid.



HYBRID TOMATOES

"Just a Little More of Everything"

These varieties are F₁ hybrids developed for greenhouse forcing. The plants are vigorous and wilt resistant, and each variety is selected for specified conditions of greenhouse growing as described. They are all proved in their production. We invite your inquiry and trial orders. Further description on page 30.

MICHIGAN-OHIO HYBRID

A cross from Michigan State Forcing and W. R. 3 that has proved to be the most popular with experienced greenhouse growers, because of its adaptability, vigor, heavy production, fruit quality and color. We recommend this variety, because of its past performance.

1/32oz. (approx. 250 seeds) \$3.00; 1/16oz. (approx. 500 seeds) \$6.00; 1/8oz. (approx. 1000 seeds) \$10.00; 1/4oz. \$15.00; 1/2oz. \$27.50; oz. \$50.00, postpaid.

TUCKCROSS "O" HYBRID

This is a NEW greenhouse hybrid developed by Dr. V. M. Lambeth of Missouri Experiment Station from crossing Tuckers Forcing and Ohio W. R. 3. It is an early-maturing variety, producing uniform, large, globe-shaped fruit of scarlet-red color. Plants are very vigorous and resistant to leaf mold and fusarium wilt.

1/16oz. \$2.25; 1/8oz. \$4.00; 1/4oz. \$7.50; 1/2oz. \$14.50; oz. \$27.00, postpaid.

Please read the directions carefully and avoid errors in mailing.

Order Blanks

Order blanks have been inserted in this catalog for your convenience. Please use them. Fill in your NAME, POST OFFICE, SHIPPING POINT or nearest EXPRESS OFFICE, your COUNTY and STATE. This is as important in the prompt filling of your order as the order itself. Write plainly and avoid mistakes. Additional order blanks are mailed with every order. If you do not receive them, please notify us, and we will be glad to furnish them.

Terms

Please send your remittance with your order. ON ALL ORDERS OF VEGETABLE AND FLOWER SEEDS except PEAS, BEANS and CORN, amounting

to \$10.00 or more, we will allow a 10% cash discount. This discount does not apply on bulbs, special offer collections, plants or any other items listed in this catalog, as these are NET CASH as quoted.

This offer is good only in the United States. ALL PRICES QUOTED ARE SUBJECT TO CHANGE WITHOUT NOTICE. Michigan State Sales Tax will be charged on orders for home gardens in State of Michigan.

How to Send Money

Remittance should be made by POSTAL MONEY ORDER, EXPRESS MONEY ORDER, BANK DRAFT or CERTIFIED CHECK. It is perfectly safe and your order will be assured of prompt handling. U. S. CURRENCY and U. S. POSTAGE STAMPS for small amounts are acceptable, but in this case the letter should be REGISTERED.

CANADIAN SHIPMENTS—SPECIAL NOTICE

Due to increased postal rates and added expense in Canadian mailing, we cannot discount our list prices on seeds, prepaying shipping or make C.O.D. mailing. To avoid mistakes and insure prompt handling, we suggest cash with your order including the postage.

Non Warranty

We give no warranty, express or implied, as to the productiveness of any seeds or bulbs we sell and we will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seed.

Small Orders

Please do not send an order for less than \$1.00. Because of the cost of handling and mailing, we find it necessary to set this limit. We value minimum orders at this limit, and they receive the same careful attention and prompt handling. Please add postage for first class mail delivery at the rate of 4c per ounce of mailing weight. If items weigh 1 lb. or more, refer to the parcel post mailing chart on this page.

Large Quantities

Parties buying large quantities of any one variety of seed will be quoted special prices on application.

Price of Seeds By Weight

We will supply HALF POUNDS and over at the pound rate; less than half-pound lots are charged at the quarter pound and ounce rate.

Safe Delivery

All seeds and supplies sent out by us are fully insured and we guarantee their safe arrival. If they are damaged, notify us immediately.

Postpaid Prices (Important)

Flower and vegetable seeds, except Peas, Beans and Sweet Corn, are mailed postpaid (unless otherwise noted) to the 4th Zone or 600 miles from Grand Rapids.

For mailing 1 lb. or more beyond the 4th Zone, please refer to the table of parcel post rates below for the postage charges, and please include payment with your seed order.

In figuring the amount of postage needed, be sure to allow for the packing required. 1 lb. ordered cannot be mailed for 1 pound but must take the 2-lb. rate. On larger amounts 2 or 3 pounds must be figured, on account of the total packed weight on which the postage would apply. Any money you send us in addition, that is not needed, will be promptly refunded when your order is filled.

Parcel Post Mailing Instructions

No. 1.—SEEDS. Maximum weight on SEEDS is 70 lbs. to any post office in the United States. Orders over 70 lbs. can be mailed as two separate units. To determine the correct postage cost, allow one pound extra weight for packing and package to the net weight of seeds ordered. For instance, to mail 10 lbs. of merchandise to the first or second zone, the mailing weight will be in the 11-lb. bracket to allow for packing; therefore the estimated postage cost for this mailing will be 33c for the first two pounds, plus 5c for the next 9 pounds which will total 78c for the complete mailing of 10 lbs.

No. 2.—MISCELLANEOUS SUPPLIES. The length and girth of any package is limited to 72 inches maximum, and the maximum weight is 40 lbs. in the second zone, and 20 lbs. maximum in the third to eighth zones except to second class post offices or on the rural route of any post office, where the maximum would be 70 lbs. It might be cheaper to send bulky and heavy packages by express beyond the third zone.

Approximate Domestic Parcel Post Rates on seeds and miscellaneous supplies within the United States.

	First Two Pounds or Fraction	Each Additional Pound or Fraction
Under 16 ozs. the rate is 1½c per ounce in any zone.		
Local—within Grand Rapids or its rural routes	24c	2c
1st and 2nd Zones—within 150 miles	33c	5c
3rd Zone—within 150 to 300 miles	35c	6c
4th Zone—within 300 to 600 miles	39c	8c
5th Zone—within 600 to 1000 miles	45c	10c
6th Zone—within 1000 to 1400 miles	51c	13c
7th Zone—within 1400 to 1800 miles	58c	16c
8th Zone—all over 1800 miles	64c	19c

A fraction of a cent in the total amount of postage on any parcel is counted as a full cent.

CANADA: All parts 45c per lb.; 22c for each additional pound. If in doubt about the rate of postage, consult your local postmaster.

Air Mail

On RUSH ORDERS received by air mail, wire or telephone for one ounce or more of seed, we will send by air mail if so requested at a normal charge of 6c per ounce of seed ordered, not exceeding 8 ounces, as the postal rate is 6c for each ounce. One ounce of seed would weigh more than one ounce when it is packed ready to mail. Where the mailing weight is less than one ounce, we will pay the postage. On larger quantities the schedule is:

Zones 1 and 2	Per Pound Mailing Weight	Additional Pounds
3	60c	48c
4	60c	48c
5	65c	50c
6	70c	56c
7	75c	64c
8	75c	72c
	80c	80c

This will give you overnight service to almost any point in the continental U. S.

Grand Rapids Growers, Inc. Seed Merchants

Cor. Wealthy and Ionia Ave., S. W. Phone: GLEndale 9-7216

Grand Rapids, Mich.



ASPARAGUS, Mary Washington

**SPECIAL ANNOUNCEMENT**

SEED RESEARCH SPECIALISTS INC. OF MODESTO, CALIFORNIA, have appointed the Grand Rapids Growers, Inc., as distributors for their complete line of seeds in the State of Michigan. We are prepared to service SRS dealers and will fill grower orders on request for SRS seeds if unable to purchase through a local dealer. If further information is desired, please contact.

GRAND RAPIDS GROWERS, INC.
401 Ionia Ave. S. W., Grand Rapids 2, Michigan
Phone: GLendale 9-7216

Asparagus

Cultural Directions. One-half ounce of seed will sow 50 feet of drill and produce about 500 plants. Drill the seed thinly in rows about 24 inches apart, covering seed 1 inch. Cultivate well, keep free from weeds and they should be all right to transplant to permanent beds the following spring. Permanent beds, before planting, should receive an application of 1000 to 1500 pounds complete commercial fertilizer. On established beds apply 400 to 600 pounds complete fertilizer each spring plus 200 to 300 pounds ammonium nitrate at the end of the cutting season. Do not cut until third year, and limit cutting to middle of June. Remember, the bed well planted will last for at least twenty years. Treat it well.

MARY WASHINGTON RUST-RESISTANT ASPARAGUS. The largest and most tender green Asparagus. This is a decided improvement, thanks to the untiring efforts of Prof. J. B. Norton, member of the Plant Breeding Staff of the U. S. Dept. of Agriculture. Suitable for quick freezing.

Oz. 50c; 1/4 lb. \$1.35; lb. \$5.25

Asparagus Roots

We have the **Mary Washington Rust-Resistant Asparagus Roots** every spring. We handle only the very best 2-year roots. Which are locally grown, and ask that you write us for prices in whatever quantity you may want.

**Beans**

BEANS, Golden Wax

Because of the increase in postage rates, BEANS are not postpaid, and postage must be added on all orders to be sent by mail. Follow the parcel post rate chart on page 3.

Cultural Directions. Garden Beans may be planted after danger of frost is past. Plant in rows, about 1 pound of seed to 100 feet of drill, and 2 or 3 inches apart. Rows should be at least 2 feet apart for the dwarf varieties. Cover 1 to 2 inches deep. Lima Beans should not be planted until June 1, when the soil is thoroughly warm. Pole Beans need props or other support for climbing.

Wax-Podded Varieties

PENCIL POD BLACK WAX. 55 days. Pods are round, very long, tender and entirely stringless. Extremely productive. Best market-gardeners' sort. Suitable for quick freezing.

Not postpaid: Lb. 50c; 10 lbs. \$4.50;
25 lbs. \$10.50; 50 lbs. \$18.50



BEAN, Pencil Pod Black Wax

Freight or postage charges are extra on Beans, Peas and Sweet Corn.

**BEANS, Cherokee Wax**

CHEROKEE WAX (Valentine Wax). 50 days. Developed from an original selection made by Dr. W. C. Barnes, of South Carolina. The plant is large and erect. Pods golden wax, measuring $6\frac{1}{2}$ inches long, oval, nearly straight, stringless at all stages, tender and of good quality. The most prolific wax-podded variety, equal in yield to the best green-podded types. 80 seeds per ounce.

**Not postpaid: Lb. 50c; 10 lbs. \$4.50;
25 lbs. \$10.50; 50 lbs. \$18.50**

GOLDEN WAX (Top Notch). 52 days. An excellent early home-garden variety. Pods clear golden yellow, broad, flat-oval, fleshy, brittle and stringless. Suitable for quick freezing.

**Not postpaid: Lb. 60c; 10 lbs. \$5.50;
25 lbs. \$12.00; 50 lbs. \$22.00**

**BEANS, Topcrop**

Green-Podded Varieties

TOPCROP. 48 days. An important addition to the Tendergreen class. Early and productive, stringless, resistant to common Bean mosaic. Medium green, round pods, 6 inches long by $\frac{3}{8}$ inch wide. Excellent for shipping and for market, as well as canning and freezing.

**Not postpaid: Lb. 60c; 10 lbs. \$5.50;
25 lbs. \$12.00; 50 lbs. \$22.00**

BLACK VALENTINE. 52 days. Mosaic resistant. A stringless shipping and market variety. Pods semi-round, slightly curved, dark green, 6 to $6\frac{1}{2}$ inches long. Suitable for quick freezing.

**Not postpaid: Lb. 50c; 10 lbs. \$4.50;
25 lbs. \$10.50; 50 lbs. \$18.50**

**BEANS, Stringless Green Pod**

STRINGLESS GREEN POD (Landreth). 53 days. An improvement of Burpee's Stringless Green Pod. Vine is more erect, with darker foliage and a longer, slimmer pod. Pods 6 to 8 inches long, slightly curved, meaty, and absolutely stringless. Undoubtedly the best round-podded Bean on the market today. Very prolific and an ideal variety for home garden, market gardeners and canners. Suitable for quick freezing.

**Not postpaid: Lb. 50c; 10 lbs. \$4.50;
25 lbs. \$10.50; 50 lbs. \$18.50**

CONTENDER. 54 days. A green-podded variety developed by the U. S. D. A. The plant is vigorous, resistant to common Bean mosaic and partly so to powdery mildew. Pods round, $7\frac{1}{4}$ inches long and a little larger than Stringless Black Valentine. Adapted for home garden and shipping.

**Not postpaid: Lb. 50c; 10 lbs. \$4.50;
25 lbs. \$10.50; 50 lbs. \$18.50**

**BEANS, Contender**

Prices on larger quantities of the Bean varieties listed above will be quoted on request.
Freight or postage charges are extra on Beans, Peas and Sweet Corn.

BEANS, Green-Podded Varieties continued

DUTCH CASE KNIFE (Snijboonen). 65 days. McCaslan Pole Bean. Green snap pods, 7 to 8 inches long, straight, flat, brittle, of good quality; best as a shell Bean. Beans very flat, ivory-white.

**Not postpaid: Lb. 60c; 10 lbs. \$4.75;
25 lbs. \$9.75; 50 lbs. \$18.00**

KENTUCKY WONDER or OLD HOMESTEAD. 65 days. The most popular green-podded, climbing Bean; early and productive. Pods 8 to 9 inches long, very slender. Suitable for quick freezing.

**Not postpaid: Lb. 50c; 10 lbs. \$4.25;
25 lbs. \$8.75; 50 lbs. \$16.50**

ROMANO. 70 days. Italian pole type vine but does not exceed 4 to 5 feet. Pods are 5½ inches long, flat and broad. Excellent flavor. The seeds are delicious when used as a shell Bean.

**Not postpaid: Lb. 65c; 10 lbs. \$5.75;
25 lbs. \$13.00**

TENDERGREEN. 54 days. One of the newer varieties, and now one of the most popular green Beans. Hardy; dependable cropper. Medium large, dark green, stringless pods. Suitable for quick freezing.

**Not postpaid: Lb. 50c; 10 lbs. \$4.50;
25 lbs. \$10.50; 50 lbs. \$18.50**

TENDERBEST. 54 days. A worthy successor to Tendergreen. High resistance to common Bean mosaic and N. Y. 15 mosaic. Resistance to root rot allows good crops in dry seasons. Upright, dark green plants hold pods high off ground. Pods are unusually straight and smooth.

**Not postpaid: Lb. 60c; 10 lbs. \$5.50;
25 lbs. \$12.00; 50 lbs. \$22.00**



POLE BEANS, Dutch Case Knife

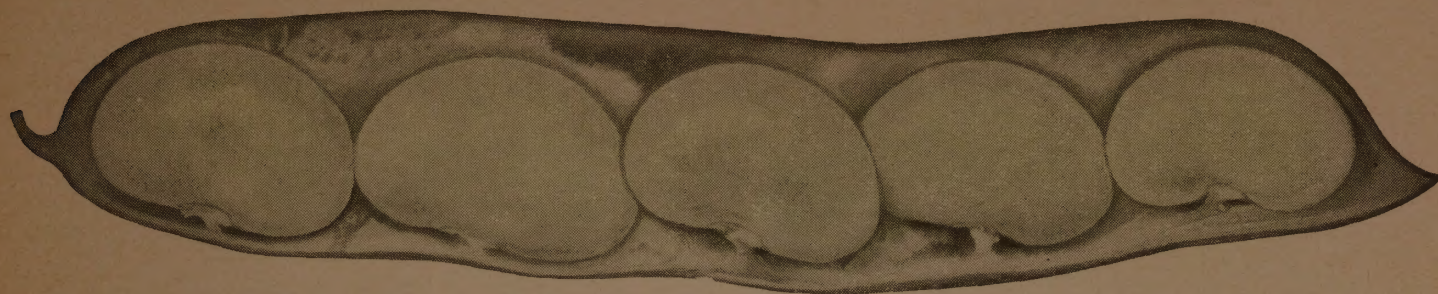


POLE BEANS, Kentucky Wonder



BEANS, Tendergreen

Prices on larger quantities of the Bean varieties listed above will be quoted on request.
Freight or postage charges are extra on Beans, Peas or Sweet Corn.



POLE LIMA BEAN, King of the Garden

Lima Beans

Pole Variety

KING OF THE GARDEN LIMA. 88 days. An improved midseason strain, vigorous and productive. Pods 5 to 6 inches long, very flat and wide. Uniformly four seeded.

Not postpaid: Lb. 60c; 10 lbs. \$4.75

Dwarf or Bush Varieties

BURPEE'S IMPROVED BUSH LIMA. 75 days. Both Beans and pods are larger than the old type. The pods measure 5 to 6 inches long by 1 1/4 inches wide and are of a luscious flavor. They are frequently borne in clusters of 5 to 8 pods. Suitable for quick freezing.

Not postpaid: Lb. 65c; 10 lbs. \$5.75; 25 lbs. \$12.00

FORDHOOK BUSH LIMA No. 242. 75 days. A most excellent variety and exceedingly popular with market gardeners. Pods are about 5 inches long, containing 4 to 5 large, oval-shaped, very thick, white Beans. Suitable for quick freezing.

Not postpaid: Lb. 60c; 10 lbs. \$5.50; 25 lbs. \$11.50

HENDERSON BUSH LIMA. (Baby Lima.) 65 days. A vigorous, hardy, very early and small type of Bush Lima. Pods small, about 3 inches long, containing 3 to 4 small, flat, white Beans. Suitable for quick freezing.

Not postpaid: Lb. 50c; 10 lbs. \$4.50; 25 lbs. \$8.00



LIMA BEANS, Fordhook No. 242

Beets

Cultural Directions. One ounce to 50 feet of drill; 6 to 8 pounds per acre. Beets prefer a well-prepared, friable soil. Plant from 1/2 to 3/4 inch deep, according to the texture of soil. For an early crop, sow in drills 1 foot apart as early as the ground can be worked in the spring. When plants are large enough to use as greens, thin to 3 inches apart in the row. Beets can be sown as late as July for main crop. A complete commercial fertilizer high in phosphorus and potash applied as a band alongside the row is recommended. Care should be used that the seed does not come in immediate contact with the fertilizer.

EARLY WONDER or EARLY BLOOD TURNIP IMPROVED. 55 days. An early variety, turnip shaped and always smooth. The flesh is a beautiful deep red color and is of excellent quality. Tops are small and erect. Exceptionally good for early bunching.

Oz. 20c; 1/4lb. 50c; lb. \$1.70

DETROIT DARK RED. (Morse's Strain.) 55 days. The best for market gardeners or home use. Roots smooth, medium size, globe shaped; skin dark red; flesh solid vermilion-red. Tops small, upright, dark green, shaded red.

Oz. 20c; 1/4lb. 50c; lb. \$1.70

GREEN TOP BUNCHING. 60 days. Early, extremely attractive bunching Beet. Tops medium sized and erect. Foliage clean grayish green that does not turn red or brown in the fall. Roots round, smooth, glossy, with bright blood-red flesh. Mostly grown for Beet greens.

Oz. 20c; 1/4lb. 50c; lb. \$1.70



BEETS, Early Wonder

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.



BRUSSELS SPROUTS, Catskill Strain



MANGEL WURZEL, Mammoth Long Red



SWISS CHARD



BROCCOLI, Italian Green Sprouting

Swiss Chard

Cultural Directions. One ounce to 50 feet of drill; 5 pounds per acre. Sow early in the spring, in rows 18 inches apart, and thin to 1 foot apart. The plants are of very rank growth, and will continue to grow and produce all summer. If given a little protection during the winter, they will produce early greens in the spring.

LUCULLUS. 55 days. Leaves large and curly. Plant grows about 2 feet high. Midribs are very broad and are a good substitute for asparagus during the summer months. **Oz. 15c; 1/4lb. 50c; lb. \$1.70**

NEW RHUBARB. A Chard of unique crimson color. Stalks sweet and succulent. Bright red in color; leaves green to bronze, heavily veined with red. Plants are vigorous and will yield a tremendous crop throughout the summer and fall, until frost.

Oz. 30c; 1/4lb. \$1.00; lb. \$3.00

Brussels Sprouts

Cultural Directions. The culture is the same as for Cabbage, which it resembles, the edible part being the small heads, an inch or two in diameter, that form at each leaf joint all the way up the stalk. The leaves should be broken off in the fall to give more room for the little heads to grow. Control aphids with nicotine sulphate or Evergreen Garden Spray. Delicious and more tender than any Cabbage. 90 days. Suitable for quick freezing. Half dwarf.

CATSKILL STRAIN. **Oz. \$1.00; 1/4lb. \$3.50.**

Mangel or Stock Beets

Cultural Directions. One ounce to 50 feet of drill; 5 pounds per acre. Sow early in the spring, in rows about 2 feet apart; cover seed 1 1/2 inches deep, pressing ground firmly over the seed. When plants are 3 inches high, thin to about 8 inches apart in the row. The plants pulled may be used for greens.

MAMMOTH LONG RED. 120 to 150 days. A favorite with the dairyman and farmer. Large, well formed; dark red color. Very nutritious; a big cropper.

Oz. 15c; 1/4lb. 40c; lb. \$1.50

Broccoli

Cultural Directions. An ounce will produce about 2500 to 3000 plants. Start the seed early and transplant when plants are six weeks old, allowing 2 feet between them in the row. A frequent application of nitrate of soda or other nitrogen fertilizer can be of great value to promote the life of this crop. Worms on Broccoli can be controlled with 1% rotenone dusts; aphids or plant lice with nicotine sulphate or Evergreen Garden Spray.

ITALIAN GREEN SPROUTING (Di Cicco). 75 days.

This variety produces a large head, like cauliflower, consisting of a compact cluster of bluish green flowers. When the central head is removed, the plant produces many branches, each bearing small heads. These are cut with 3 or 4 inches of the branch attached and tied in bunches for market. The stems as well as the flower heads are cooked and served as Cauliflower. Suitable for quick freezing. **Oz. 35c; 1/4lb. \$1.25; lb. \$4.00**

GREEN MOUNTAIN. 60 days. Bred to meet the needs of market growers and freezers, this new extra early sprouting Broccoli is also excellent for home gardens. Produces large, compact, dark green center heads. Buds are tight and attractive. Long flower stems separate easily for freezing, and heads mature uniformly.

Oz. 60c; 1/4lb. \$1.80; lb. \$6.00

A New Broccoli Variety

SPARTAN EARLY. This new variety of Broccoli has just been released from the Michigan Agricultural Experiment Station at East Lansing. Spartan Early was selected and improved from Green Mountain. The new variety is 10 to 14 days earlier than Green Mountain and the plants are uniform in size and shape, short and compact. Foliage is light bluish green. The central heart matures uniformly in size and shape, averaging 6 to 8 inches in diameter. **1/4oz. 40c; oz. \$1.25**

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

Cabbage

Cultural Directions. Five to 8 ounces of seed will produce enough plants for an acre. Two to 3 pounds will be needed for direct seeding. For early Cabbage, sow in hotbeds in January or February. Transplant as early as possible to the open ground, spacing about 2 feet apart each way. For late Cabbage, sow in open ground in May and transplant about July 1 in rows 2½ feet apart. Thin plants in the rows to 15 to 18 inches apart.

In fertilizing we recommend 800 to 1000 pounds per acre of a complete commercial fertilizer broadcast, or 500 to 800 pounds side-dressed. In the home garden broadcast 30 to 40 pounds per 1000 square feet of complete commercial fertilizer.

Most insects on Cabbage and related crops can be controlled by dusting with rotenone; aphids with nicotine sulphate or Evergreen Garden Spray. Aphids are most easily killed when the temperature is at least 70° F.

Early Varieties

GOLDEN ACRE. 64 days. Heads round, very hard. Matures two to three weeks earlier than Copenhagen Market, but is otherwise quite similar. Owing to earliness and remarkable uniformity, will prove the most profitable early Cabbage for market gardeners.

Oz. 60c; ¼lb. \$1.75; lb. \$5.50

EARLY JERSEY WAKEFIELD. 62 days. Market gardeners in general consider this the best early variety. Conical heads are uniform in shape and very solid. Our stock is dwarf, compact and extremely early.

Oz. 45c; ¼lb. \$1.35; lb. \$4.00

IMPROVED COPENHAGEN MARKET. 65 days. Nearly as early as Jersey Wakefield. Stems short; heads large, round and solid, with few outer leaves.

Oz. 60c; ¼lb. \$1.75; lb. \$5.50

GREEN ACRE. 66 days. A comparatively new strain with general characteristics of Golden Acre, but holds its green color longer—an added value to market gardeners and shippers.

Oz. 50c; ¼lb. \$1.75; lb. \$5.50

Late Varieties

FERRY'S HOLLANDER. 100 days. Decidedly the best variety of late Cabbage. Heads become firm while still rather small. They reach good marketable size in 90 to 100 days, but continue to enlarge, maturing in about 120 days. Plants medium small, allowing closer planting, short stemmed, erect and compact. Extremely hardy, of splendid quality and keeps perfectly in storage until late spring. The best variety for muck growing.

Oz. 50c; ¼lb. \$1.50; lb. \$5.00

MAMMOTH ROCK RED. 90 days. Heads solid, of good size and quality.

Oz. 50c; ¼lb. \$1.50; lb. \$5.00



CABBAGE, Golden Acre



CABBAGE, Improved Copenhagen Market

BONANZA. 75 days. Almost round, very firm and uniform. The shortest core of any Cabbage we know, making it extremely slow to produce seeders. Can be harvested early, for it makes a firm head, but can also be held until later. Heads slow to split. Ideal for shipping, as well as market.

Oz. 65c; ¼lb. \$2.00; lb. \$6.50

DANISH BALLHEAD. 95 days. Short-stemmed, with round heads, very solid and heavy. Splendid keeper, hardy, and the best winter sort. Not recommended for muck growing.

Oz. 50c; ¼lb. \$1.50; lb. \$5.00

PREMIUM FLAT DUTCH. 105 days. Highly valued for its fine quality. Heads very solid, broad, round, flattened on top, fine grained and tender.

Oz. 45c; ¼lb. \$1.35; lb. \$4.00

AMERICAN SAVOY (Chieftain). 85 days. Large, flat-tish heads, very curly and hard. One of the best Savoy.

Oz. 50c; ¼lb. \$1.50; lb. \$5.00

RED STONEHEAD. 80 days. An exceptionally good variety, forming round, smooth, hard heads of a glowing red color. A good keeper.

Oz. 50c; ¼lb. \$1.50; lb. \$5.00

(Yellows-Resistant Varieties are listed on page 10)



CABBAGE, Penn State Ballhead

PENN STATE BALLHEAD. 100 days. A heavy-yielding strain of the short-stem Danish Ballhead type. Originated by Pennsylvania State College. Yields as high as 26 tons per acre have been recorded.

Oz. 50c; ¼lb. \$1.50; lb. \$5.00

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.



CABBAGE, Racine Market

Cabbage

Yellows-Disease Resistant Varieties

RACINE MARKET. 70 days. Plant 10 to 12 inches tall, compact, short stemmed and upright, with distinct blue-green leaves. Head 6½ inches in diameter, round, solid and of good quality. A yellows-resistant Copenhagen Market type. Extremely uniform and is popular with home and market gardeners as well as shippers.

Oz. 65c; ¼lb. \$1.75; lb. \$6.00

WISCONSIN GOLDEN ACRE. 63 days. Yellows-resistant. **Oz. 65c; ¼lb. \$1.75; lb. \$6.00**

WISCONSIN HOLLANDER No. 8. 90 to 100 days. A heavy-yielding late storage type, highly resistant to yellows. Round head. Yields greater tonnage than ordinary strains. **Oz. 50c; ¼lb. \$1.50; lb. \$4.50**

MARION MARKET. 75 days. A yellows-resistant strain of Copenhagen Market, with the same round head and crisp tenderness. Principally adapted to yellows-infested soil, where non-resistant strains fail completely. **Oz. 65c; ¼lb. \$1.75; lb. \$4.50**



CABBAGE, Marion Market

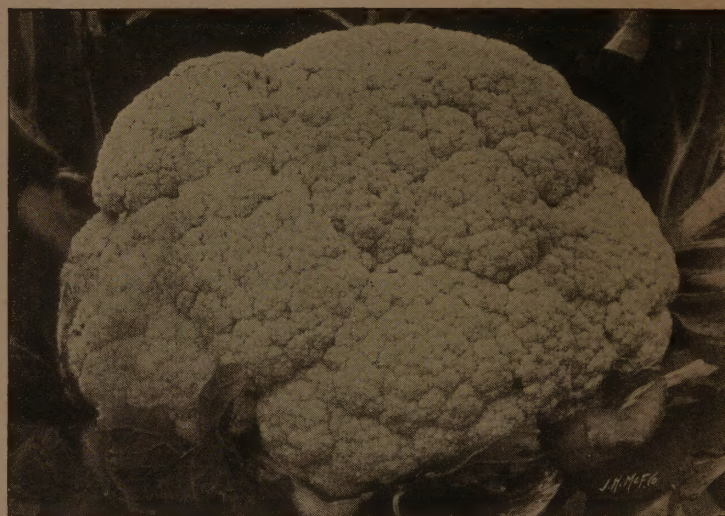
GREENBACK. 74 days. A new yellows-resistant Cabbage in the Round Dutch class, about as early as Marion Market but darker green and more compact. Vigorous and short stemmed. Slow to produce seed stalks. Especially recommended for market and shipping in areas infected by yellows. **Oz. 65c; ¼lb. \$2.00; lb. \$6.50**

BADGER MARKET. 67 days. Plant 9 to 10 inches tall, with dark blue-green, cup-shaped leaves. Heads 5 to 6 inches in diameter, weighing 3 pounds, round with a solid interior. Developed by the Wisconsin College of Agriculture. A good small-headed early variety. Yellows-resistant.

Oz. 95c; ¼lb. \$2.50; lb. \$8.00

BADGER SHIPPER. 80 days. A new club-root-resistant variety similar to Globe. Produces small heads which can be cut as they head for desirable market size. Heads globular, slightly oval, with outer leaves reaching past the center and moderately clasping. Yellows-resistant as well as club-root resistant. Blue-green in color; texture is crisp, flavor mild to sweet.

Oz. \$1.25; ¼lb. \$3.75; lb. \$12.50



CAULIFLOWER, Early Select Snowball

Cauliflower

Cultural Directions. One ounce of seed will produce 4000 plants; 5 ounces to an acre. Directions about the same as for Cabbage, but plant in rows about 3 feet apart and 18 inches apart in the row. When plants begin to head, tie leaves up around the head to protect from the sun.

EARLY SELECT SNOWBALL. 55 days. A very fine strain of early Cauliflower. Plants of medium height, with rather waved or crumpled leaves which bend outward at the tips. Inner leaves cover the head well. Foliage is medium green. Heads of good depth, solid, ivory-white and of fine quality. Early and very even at time of maturity, requiring prompt handling. Adapted for summer and early fall harvest.

Oz. \$2.00; ¼lb. \$6.00; lb. \$20.00

GROWERS SPECIAL IMPROVED. 60 days. Well adapted for use under a wide range of conditions and generally considered the most satisfactory main-crop strain for fall harvest. Plants are large and erect, with ample foliage for head coverage. Leaves are long, rather straight, plain edged and medium bright green in color. The heads are large, smooth, very deep, very solid and pure white. Unexcelled for quality. About a week slower in reaching maturity, and the harvest is not so concentrated. **Oz. \$2.00; ¼lb. \$6.00; lb. \$20.00**

SNOWBALL "Y." A new strain developed by Ferry-Morse for vigorous growth even under adverse conditions. Plants are large and erect, with numerous, medium green leaves. Solid, pure white heads have tight, smooth curds. This later maturing Cauliflower is unexcelled for uniformity, quality and marketability.

Oz. \$2.00; ¼lb. \$6.50; lb. \$22.00

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

Celery Cabbage

Cultural Directions. One ounce will produce 2000 plants. Do not sow seed till the last of May. Earlier sowings generally go to seed instead of making heads. Seed may be sown in seed beds and transplanted in rows 3 feet apart and about 15 inches apart in the row, or may be sown in rows and thinned.

CHIHILI. 70 days. Imported from Holland. This is the true strain. It has a delicate flavor, much milder than Cabbage. The heads are long, about 16 inches, rather slim, coming to a point at the top. Color is very dark bluish green, with the inner leaves and stalks blanched to a beautiful snow-white. This past season it proved its place and is highly recommended as a true strain.

Oz. 25c; 1/4lb. 70c; lb. \$2.00

MICHIHLI. 70 days. A new strain of Celery Cabbage. In plant habit it resembles Chihili, but the growth is more vigorous. The leaves are dark green and do not have the yellowish cast of Chihili. The leaf margins are waved, and the individual plants are very uniform. It is surer heading, and in trial plantings made on a commercial scale it has produced 99% marketable heads.

Oz. 40c; 1/4lb. \$1.00; lb. \$3.50

Our cultural directions are the special recommendation of our growers, who through actual experience know what is necessary for the successful growing of a crop.

Carrots

Cultural Directions. Carrots require about the same simple care as Beets; they have no serious insect enemies, and they are rarely attacked by disease. It is best to plant them in soil that is friable and richly fertilized. Plant the seed 1/2 inch deep in loose, well-prepared soil, making rows 16 to 24 inches apart. Cultivate as soon as the plants are well established and thin to 2 or 4 inches in the row, according to size of the variety. Plantings may be made from early spring until mid-June. For winter storage the later date is advisable.

CHANTENAY, RED-CORED. 70 days. This is a distinct improvement over the well-known standard Chantenay, especially in color, texture and quality of flesh. Roots 5 1/2 to 6 inches long, 2 1/4 inches thick at the shoulder; tapered stump root. Flesh and core reddish orange, fine grained and tender. A favorite with canners, market gardeners and shippers. Suitable for quick freezing. **Oz. 25c; 1/4lb. 65c; lb. \$1.90; 10 lbs. \$18.00**

CHANTENAY, LONG TYPE. 70 days. A strain of Chantenay bred especially for growing on soils where the moisture table is high. Tops are shorter than the regular Chantenay. Roots definitely longer but fully as large; stump rooted at maturity. Texture and color equal to Red-Cored Chantenay. Suitable for bunching or bushel use and for quick freezing.

Oz. 25c; 1/4lb. 65c; lb. \$1.90; 10 lbs. \$18.00

MORSE'S BUNCHING. 77 days. Tops short; foliage rather coarsely cut, with strong stems. Roots at maturity are 1 1/4 to 1 1/2 by 8 inches in size, almost cylindrical, with rounded shoulders, and are well stumped.

Oz. 20c; 1/4lb. 55c; lb. \$1.75; 10 lbs. \$16.00

← **CARROT, Gold Spike**

→ **CARROT, Chantenay Red-Cored**

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY. Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.



CELERY CABBAGE, Michihli

NANTES CORELESS, STRONG TOP. 68 days. A very superior Carrot. Coreless, brittle, fine grained, of mild, sweet flavor. The color is reddish orange and the skin is smooth. Grows 6 inches long, cylindrical, and very stump rooted. Suitable for quick freezing.

Oz. 25c; 1/4lb. 70c; lb. \$2.25; 10 lbs. \$19.50

NANTES CORELESS, LONG TYPE. 68 days. A slightly longer Nantes for the commercial grower and home garden. **Oz. 25c; 1/4lb. 70c; lb. \$2.25; 10 lbs. \$19.50**

DANVERS No. 126. OR HALF LONG 75 days. Roots 7 to 8 inches long and 1 3/4 to 2 inches thick. Skin smooth, good orange color. Interior dark orange-red, with core the same color. **Oz. 30c; 1/4lb. 95c; lb. \$2.75**

GOLD PAK. 77 days. Has long, very uniform roots, with short, dark green tops. Roots remain in good condition in fields for a long time without becoming coarse and overgrown. Tops are strongly attached. Reaches a length of 8 1/2 to 10 inches at maturity. Exterior is deep orange; interior, bright reddish orange. Cores are small and indistinct. Excellent for bunching and cello-pack.

Oz. 30c; 1/4lb. \$1.00; lb. \$3.00; 10 lbs. \$27.50

GOLD SPIKE. The finest shipping variety of the Long Type Emperor. The top is 4 inches shorter, with more erect leaves, having thick petioles firmly attached. The tops are compact, coarsely cut and dark green. Roots are ideal for shipping, 8 to 10 inches long, 7/8 to 1 3/8 inches in diameter. The skin is smoother than Emperor, with a deeper and more attractive rich orange color. We believe this variety will replace the Emperor Long Type, for it is far superior.

Oz. 25c; 1/4lb. 85c; lb. \$2.50; 10 lbs. \$24.00





CELERY, Utah

Celery

Cultural Directions. One ounce will produce from 5000 to 10,000 plants; 2 ounces per acre.

Standard Yellow Varieties

NEW GOLDEN SELF-BLANCHING. Commonly known as Tall Strain. American grown. A hardy yellow Celery for early, medium or late crops.

Oz. \$1.00; 1/4lb. \$3.50; lb. \$12.00

NEW MICHIGAN GOLDEN. A fusarium yellows-resistant strain of the taller type self-blanching, developed by Dr. Ray Nelson, plant pathologist at Michigan State University. Stalk is full hearted, 24 inches tall, 8 to 10 inches to the first joint; tender quality.

Oz. \$1.75; 2 ozs. \$3.25; 1/4lb. \$6.00; lb. \$22.00



CELERY, Utah 52-70

CORNELL No. 19. 100 days. We offer the true strain of this excellent variety. 10 1/2 to 11 inches to joint, with an over-all length of 24 to 25 inches. Hearts long and comparatively full. Stems thick, round and of smooth texture. Combines the good qualities of the Pascal type and is highly resistant to fusarium yellows.

Oz. \$1.50; 1/4lb. \$5.00; lb. \$18.00

Pascal and Utah Strains

UTAH 52-70. About 135 days. A slightly larger Utah than Tall Utah 10 B and darker leaved. Over-all height 28 to 29 inches. Ribs 9 1/2 to 11 inches long, rounded, thick, smooth and medium dark green. Makes a large, high heart and is very compact and tightly shingled.

Oz. \$1.75; 1/4lb. \$6.00; lb. \$22.00

UTAH 52-70 H. A tall Utah selection with a longer rib and higher rib count than Utah 52-70. Plants slightly taller and ribs 1/2 to 1 inch longer than 52-70. Useful where vigor and size are required to meet market demands.

Oz. \$1.75; 1/4lb. \$6.00; lb. \$22.00

UTAH (Growers' Select Strain). A new strain of one of the best of the Utah families. The growing stock has been carefully selected by a Celery grower specialist and then reproduced. This strain is especially adapted to the Midwest States. The plant is large, compact and uniform. Stems are smooth, well rounded, 8 to 10 inches to the first joint. A good summer crop Celery and a hardy grower. Resistant to leaf discoloration and to magnesium deficiency.

Oz. \$1.75; 1/4lb. \$6.00; lb. \$22.00

UTAH No. 15. A strain of Utah (California Pascal) of mid-season maturity. Leaves are dark green, deeply cut, moderately broad. Plants are erect, compact, full hearted 26 to 28 inches tall. Edible stems, usually 8 to 10 inches long, are numerous, of medium width, thick rounded and quite smooth, crisp and of fine quality.

Oz. \$1.00; 1/4lb. \$3.50; lb. \$12.00

UTAH 16-11. A recent development, replacing Utah 16 and extensively used for fall and winter harvest. Plants are tall, with good heart development. Foliage dark green. Stalks rounded, thick and of good length. Quality holds well after reaching cutting stage. Has shown considerable tolerance to frost when mature.

Oz. \$1.50; 1/4lb. \$5.50; lb. \$20.00

Sweet Corn

Because of the increase in postage rates, SWEET CORN is not postpaid, and postage must be added on all orders to be sent by mail. Follow the parcel post rate chart on page 3.

Cultural Directions. One pound for 200 hills or 400 to 600 feet of drilled row; about 10 to 12 pounds per acre. Early Corn is planted in rows $2\frac{1}{2}$ to 3 feet apart, and about 8 inches apart in the row, in May, and will be ready for table 8 or 9 weeks from date of planting. Later varieties should be planted from May 15 to June 15. Plant in hills 3 to 4 feet apart. It will be ready for use in 10 to 12 weeks from date of planting. Side-dressing with 100 pounds ammonium nitrate or other nitrogen fertilizer as Corn is tasseling is recommended. Plant three or four rows of Corn in a block to get good pollination and the best filled ears.

Corn borer can be controlled by dusting with 3 or 5% DDT, starting when Corn is just under knee high and making four applications at weekly intervals.

Open-Pollinated

GOLDEN SUNSHINE. 74 days. A valuable yellow variety for the market grower or the private gardener. It is a cross between Golden Bantam and Gill's Early Market and combines the earliness and large ear of the latter with much of the high quality of Golden Bantam. It is ready for market a week to 10 days earlier than Golden Bantam, and has a much larger ear. The ears average $8\frac{1}{2}$ inches long, with 12 to 14 rows.

Not postpaid: Lb. 45c; 10 lbs. \$3.75; 25 lbs. \$8.50

IMPROVED GOLDEN BANTAM. 85 days. Superior to the original Golden Bantam in quality, and has larger ear. It matures about the same time. Nearly all ears carry 12 rows of deep, rich golden yellow kernels, set close upon the cob. It is a favorite with the market gardener.

Not postpaid: Lb. 45c; 10 lbs. \$3.75; 25 lbs. \$8.50

STOWELL'S EVERGREEN. 100 days. Most popular late Sweet Corn. More extensively planted than any other sort, being the general favorite with market gardeners. Ears of good size. Kernels white, deep, tender and sugary.

Not postpaid: Lb. 45c; 10 lbs. \$3.75; 25 lbs. \$8.50

GOLDEN BANTAM. 79 days. Hardy, early maturing, very dwarf. Cob is small but fills out nicely with large, deep cream-colored kernels, which turn yellow when ripe. No home gardens should be without this excellent Corn.

Not postpaid: Lb. 45c; 10 lbs. \$4.00; 25 lbs. \$9.00

COUNTRY GENTLEMAN (White or Shoe-Peg Corn). 90 days. An especially fine quality Corn; without row formation. Narrow, pearly white, deep kernels.

Not postpaid: Lb. 45c; 10 lbs. \$3.75; 25 lbs. \$8.50

EARLY EVERGREEN. 90 days. Has all the merits of Stowell's Evergreen. Large, uniform ears with beautiful white kernels. A splendid variety for the market gardener.

Not postpaid: Lb. 45c; 10 lbs. \$3.75

BLACK MEXICAN. 83 days. Reputed to be the sweetest and most delicious of all table Corn. Color is white when young, changing to bluish black in later stages.

Not postpaid: Lb. 45c; 10 lbs. \$3.75

Pop-Corn

AUSTRALIAN HULLESS HYBRID. Dwarf growing. Heavy yielder of attractive ears of peculiar form—nearly as thick as long. Color pearly white. Entirely hullless, making it the tenderest of any Pop-Corn when popped.

Not postpaid: Lb. 70c; 5 lbs. \$3.25

MINHYBRID No. 250. Developed by the Minnesota Experiment Station from Japanese Hullless, over which it showed a marked improvement in yield, equivalent to about 15% more per acre with 25 to 30% greater popping expansion. Tender white kernels of fine flavor.

Not postpaid: Lb. 65c; 5 lbs. \$3.00

SOUTH AMERICAN YELLOW. 110 days. Better adapted for Michigan climate. It matures about 2 weeks earlier than the true type South American Yellow. Amber kernels, large size when popped, having a butter-colored tint.

Not postpaid: Lb. 40c; 5 lbs. \$1.75



**SWEET CORN,
Golden Sunshine**



**SWEET CORN,
Country Gentleman
(White or Shoe-Peg)**

Hybrid Sweet Corn

A hybrid is the first generation of a cross between strains of different parentage and involving one or more inbred lines of Corn or their combinations.



HYBRID SWEET CORN, Carmelcross

SENECA DAYBREAK. 60 days. A larger ear than Seneca 60 and as early. Offers excellent market appearance, and the eating quality is better than most early market hybrids. Seneca Daybreak is superior to all other hybrids in its cold resistance and seedling growth.

Not postpaid: Lb. 65c; 10 lbs. \$6.00; 25 lbs. \$14.50; 50 lbs. \$28.00

Freight or postage charges are extra on Beans, Peas and Sweet Corn.



HYBRID SWEET CORN, Foremost Y-1

SENECA 60 HYBRID. 63 days. The earliest yellow hybrid. Stalks 4½ feet tall; ears 6½ inches long, with 10 to 12 rows of tender, sweet kernels. Well adapted for the Northern States and Canada, and is superior in every way. It gives you a first early hybrid with the old Golden Bantam flavor.

Not postpaid: Lb. 80c; 10 lbs. \$7.00; 25 lbs. \$16.75; 50 lbs. \$32.50

SENECA SUNBEAM. 64 days. A new early market hybrid of North Star season and type, with good quality and excellent appearance. Cold resistant; good seedling vigor. Ear 7½ inches long, 12 to 14 rowed.

Not postpaid: Lb. 70c; 10 lbs. \$6.50; 25 lbs. \$15.50; 50 lbs. \$30.00

GOLD CREST. 67 days. Stalks are sturdy, about 5 feet tall, and highly tolerant of Stewart's wilt. Ears average 7½ to 8 inches long and are mostly 12 rowed. This is the best extra early Sweet Corn, and has been developed for market, shipping and home gardens.

Not postpaid: Lb. 65c; 10 lbs. \$6.00; 25 lbs. \$13.75; 50 lbs. \$25.50

GOLD RUSH. 67 days. A first early yellow hybrid for early market with strong hybrid vigor and productiveness. Stalks 5 feet tall. Ears 8½ inches long, 12 to 14 rowed, slightly tapered, filled to tip with attractive yellow kernels. Tight husk. Tender, sweet, fine quality and flavor.

Not postpaid; Lb. 65c; 10 lbs. \$6.00; 25 lbs. \$13.75; 50 lbs. \$25.50

MARCROSS C13x6. 72 days. Has proved a good early market and home-garden variety. Stalks short, sturdy, highly resistant to Stewart's disease. Ears long, plump, abruptly tapered at tips, 10 to 14 rowed, with light creamy yellow, medium broad kernels of good quality.

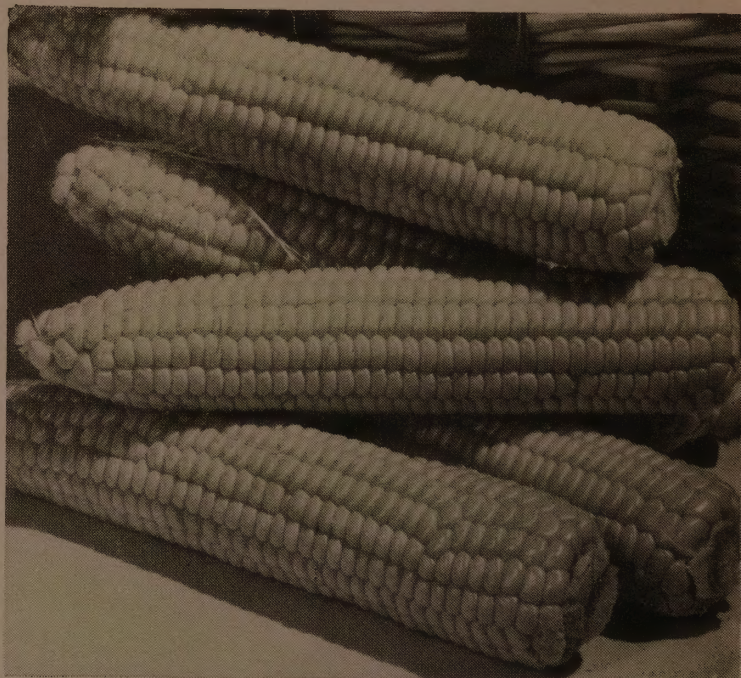
Not postpaid: Lb. 65c; 10 lbs. \$6.00; 25 lbs. \$14.50; 50 lbs. \$28.00

CARMELCROSS. 79 days. Vigorous and heavy yielding in comparison to its earliness. Medium-sized, gently tapering ears with 12 to 14 rows of yellow kernels.

Not postpaid: Lb. 60c; 10 lbs. \$5.00; 25 lbs. \$10.50; 50 lbs. \$20.00

FOREMOST Y-1 or FM CROSS. 80 days. This variety has large, uniform, high quality ears that give it an unusually attractive appearance. As compared to Golden Cross Bantam it is earlier, superior in yield, fully equal in quality and has the ability to remain in top condition longer.

Not postpaid: Lb. 65c; 10 lbs. \$6.00; 25 lbs. \$14.50; 50 lbs. \$28.00



HYBRID SWEET CORN, Gold Rush

HYBRID SWEET CORN, continued

GOLDEN PIRATE. 82 days. This new variety is of the Iochief type, but easier snapping. It maintains all of the outstanding qualities of Iochief and surpasses in some.
Not postpaid: Lb. 75c; 10 lbs. \$6.90

SENECA CHIEF. 83 days. White silk strain. Slightly earlier than Golden Cross Bantam and a heavy yielder of the Iochief type.
Not postpaid: Lb. 65c; 10 lbs. \$5.00; 25 lbs. \$14.50

GOLDEN CROSS BANTAM. 85 days. Highly resistant to Stewart's disease and very prolific. Stalks sturdy, with exceptionally broad, dark green leaves. Ears 10 to 14 rowed, slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. Suitable for quick freezing.
Not postpaid: Lb. 60c; 10 lbs. \$5.00; 25 lbs. \$11.50; 50 lbs. \$22.00

IOANA. 87 days. A good main-crop variety highly resistant to drought and bacterial wilt. Kernels light yellow, narrow, of medium depth. Ears 8 inches long, 12 to 14 rowed. Stalk 6 feet tall.
Not postpaid: Lb. 60c; 10 lbs. \$5.00; 25 lbs. \$10.50

IOCHIEF. 89 days. Outstanding among recent introductions for longer ears, heavy tonnage and superior flavor. A main cropper, ideal for canning and market. Kernels golden, deep and uniform. Height of stalk, 6¾ feet. Ears 9 inches long, with 14 to 18 rows.
Not postpaid: Lb. 65c; 10 lbs. \$5.40; 25 lbs. \$12.50; 50 lbs. \$24.00

COUNTRY GENTLEMAN HYBRID. 100 days. A heavy-yielding white hybrid of this old variety. Excellent quality. 9-inch ears on 7-foot stalks.
Not postpaid: Lb. 60c; 10 lbs. \$5.00; 25 lbs. \$10.50

STOWELL'S EVERGREEN HYBRID. 100 days. A fine white hybrid for home and market garden. Kernels are white, medium wide and deep; good quality. Ears are 14 to 18 rowed, 8 inches long. Stalks are 8 feet tall.
Not postpaid: Lb. 60c; 10 lbs. \$5.00; 25 lbs. \$10.50



HYBRID SWEET CORN, Iochief



SWEET CORN, Golden Sensation

Six Golden Prize Varieties

Grown by Seed Research Specialists, Inc.

ALPHA GOLD. 60 days. Stalk 4½ feet. Ear length 9 inches; 10 to 12 rows. Well-covered ears resemble Golden Bantam. Very well filled. Free from smut.

ALBERTA GOLD. 60 days. Cold resistant and a new competitor in the early market class in the northern tier of states and Canada. Ear length 9 inches; 10 to 12 rows. Sweet and tender. Heavy producer.

EARLY CHIEF. 72 days. Stalk 6 feet. Ear length 8½ inches; deep kernels. Fast early growth. Heavy yielder.

GOLDEN SENSATION. 85 days. Stalk 7 to 9 feet. Ear length 9 inches; 10 to 16 rows. Remains in edible condition 8 to 10 days. Very tender and sweet.

TENDERMOST. 80 to 85 days. Stalk 7 to 8 feet. Ear length 9 inches; 14 to 16 rows. Tender, superior flavor; ears well filled to tips. One of the finest main-season canning and freezing varieties.

ARISTOGOLD BANTAM EVERGREEN. 85 to 90 days. Stalk 8 to 9 feet. Ear length 9 to 10 inches; 16 to 18 rows. Very high quality. Resistant to smut, earworm, wilt and heat. Very dependable. Widely used.

PRICES ON ALL THE ABOVE, NOT POSTPAID
Lb. 85c; 10 lbs. \$8.00; 25 lbs. \$19.50; 50 lbs. \$35.00



SWEET CORN, Tendermost



CUCUMBER, Straight-8

Table and Pickling Cucumbers

Cultural Directions. One ounce of seed to 50 hills; 2 pounds per acre. Cucumbers should not be planted until the ground is warm, about June 1. For pickles, they may be planted as late as July 1. They require a warm, rich sandy soil. Plant in hills about 4 feet apart, with about 8 seeds to the hill. When all danger from insects is past, thin to three or four of the strongest plants. Broadcast 500 to 600 pounds complete commercial fertilizer before planting.

Hybrid F₁ Slicers

ASHLEY F₁. 65 days. Produces fruit at nearly every node. Slightly curved, dark green fruit with blunt ends, spine-free and attractive. Diameter 2 to 2½ inches; length 8 to 8½ inches. Plants have very heavy foliage cover and blossoms 5 to 7 days earlier than Long Marketer.

Oz. \$1.40; ¼lb. \$4.50; lb. \$16.00

CHALLENGER HYBRID. 58 days. Resistant to mosaic and downy mildew. This fine F₁ hybrid produces dark green fruit with white spine, 8 inches long and 2½ inches in diameter. Top quality shipper.

Oz. \$5.00; ¼lb. \$18.00; ½lb. \$33.00

FOREMOST SL₁ HYBRID. 63 days. A most attractive Cucumber, very dark green in color. White spined but the spines are very few and very fine. Length 8 inches; cylindrical in shape, with blocky rounded ends. Flesh is clear white, with small seed cavity.

Oz. \$4.50; ¼lb. \$16.00; ½lb. \$30.00

SUPER SLICER F₁. 56 days. An early producer of dark green, white-spined Cucumbers, 8 inches long and 2½ inches in diameter. Resistant to mosaic and downy mildew. Excellent quality and a good shipper.

Oz. \$4.50; ¼lb. \$16.00; ½lb. \$30.00

WISCONSIN SMR 18. 59 days. A new pickling Cucumber of the National Pickling type, black spined, 6 inches long, blocky, resistant to spot rot and mosaic. One of the latest resistant varieties of pickle offered and has proved its value to growers.

Oz. 25c; ¼lb. 85c; lb. \$2.50

IMPROVED LONG GREEN. 68 days. A well-known standard late table sort, 12 to 14 inches long, slender, more or less warted, tapering toward the stem end. Dark green; flesh white and firm.

Oz. 25c; ¼lb. 75c; lb. \$2.25

ASHLEY. 66 days. Resistant to downy mildew. Vigorous vines, heavily productive. Fruits are dark green, 8 inches long, 2¼ inches wide, tapering to the stem end.

Oz. 40c; ¼lb. \$1.00; lb. \$3.50

LONGFELLOW. 72 days. An excellent long, slender, dark green variety, equally desirable for greenhouse forcing and outdoor culture. Fruits 12 to 14 inches long by 2½ inches in diameter. Fairly early; good healthy grower; very productive.

Oz. 25c; ¼lb. 85c; lb. \$2.50

OHIO MR 17. Developed at the Ohio State University Experiment Station. Mosaic resistant. Compares favorably with National Pickling in plant type, yield and vigor, but the uniform fruits are somewhat more slender, slightly longer and darker green. A good pickling type.

Oz. 25c; ¼lb. 85c; lb. \$2.50

MARKETER. 70 days. A variety of recent introduction, producing very dark green, cylindrical fruits which taper slightly at the ends. Fruits 7½ to 8 inches long, 2¼ inches in diameter, white spined. Vines vigorous and prolific. Its uniform shape and attractive color make it an excellent market variety.

Oz. 25c; ¼lb. 85c; lb. \$2.50

IMPROVED A & C. 68 days. The vigorous, disease-resistant vines produce an abundance of uniform, exceedingly dark green Cucumbers, averaging 10 inches long. The fruits are of uniform diameter (1¼ to 1½ inches) from stem to blossom end, are rather slim, without any bulge in the center, and with practically no taper at the ends.

Oz. 25c; ¼lb. 85c; lb. \$2.50

CHICAGO PICKLING or NATIONAL PICKLING. 58 days. Early, heavy yield. A very prolific variety combining all the qualities desired by those who raise Cucumbers. Fruits are of uniform size and good color.

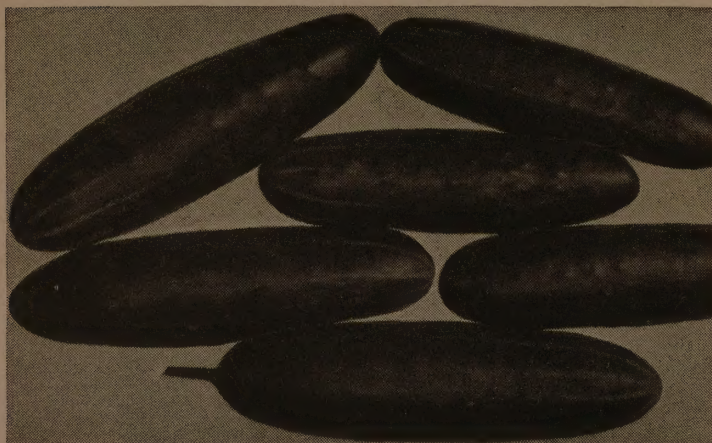
Oz. 25c; ¼lb. 75c; lb. \$2.25

STRAIGHT-8. 62 days. This outstanding variety produces symmetrical, cylindrical fruits about 8 inches in length and 1½ inches in diameter. The fruits are well rounded at the ends.

Oz. 25c; ¼lb. 85c; lb. \$2.50

LONG MARKETER. 70 days. A shipping and market variety for areas not troubled with downy mildew. The 8 to 9-inch, dark green fruits are uniformly beautiful, long and slim. Holds up well in shipping.

Oz. 50c; ¼lb. \$1.25; lb. \$3.75



CUCUMBER, Marketer

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.



ENDIVE, Long Green Curled



COLLARDS, True Georgia

Dill

Leaves are used in pickles, and for flavoring soups and sauces. Easily grown.

LONG ISLAND MAMMOTH. Plant 3 to 3½ feet tall. Strong aromatic odor and mildly pungent flavor. Has finely cut leaves and flattened seeds.

Oz. 20c; ¼lb. 60c; lb. \$2.00

BOUQUET. (NEW.) Height 2 to 3 feet. Plant shorter and stockier than Mammoth, lighter green in color. Nearly twice as much oil and flavor as other varieties.

Oz. 20c; ¼lb. 60c; lb. \$2.00

Eggplant

Cultural Directions. One ounce produces 1000 plants. Seed germinates very slowly and requires warm ground. Start in hotbeds in March and transplant about June 1, in rows about 3 feet apart and 2 feet apart in the row. Eggplant requires a rich soil, free from disease. Rotation of crop is recommended.

BLACK BEAUTY. 80 days. Early and productive. Fruit large and of rich glossy black color.

Oz. 80c; ¼lb. \$2.50; lb. \$8.00

Kale or Borecole

Cultural Directions. One ounce to 150 feet of drill. Sown from August 1 to September 15 in rows 18 inches apart, will yield green during fall and winter. Improved by freezing.

DWARF CURLED SCOTCH. 110 days. A handsome, very finely curled, dwarf spreading variety. Foliage long, attractive bright green; very hardy.

Oz. 30c; ¼lb. 85c; lb. \$2.50

TALL CURLED SCOTCH. 110 days. Plants grow 2 to 3 feet in height, bearing long, plume-like, light green leaves, which are very much cut and deeply curled at the edges. Very hardy.

Oz. 30c; ¼lb. 85c; lb. \$2.50

Endive

Cultural Directions. One ounce to 150 feet of drill. Sow in rows about 15 inches apart, and thin to 1 foot apart in the row. Sow seed for fall crop in June or July. When nearly fully grown, tie outer leaves together, bringing them up over the head for blanching. A well-balanced fertilizer is recommended.

LONG GREEN CURLED or MOSS CURLED. 95 days. Also known as Large Curled Pancalier. A late, coarsely toothed variety of good size, which forms a good blanched heart in the fall. The midrib or leaf stem is tinged with rose.

Oz. 30c; ¼lb. 85c; lb. \$2.50

BROAD-LEAVED BATAVIAN (Escarolle). 90 days. One of the best varieties for salad. Leaves of upright growth, broad, more or less twisted and waved, bright deep green, with a nearly white midrib. Inner leaves form a fair head which blanches to creamy white.

Oz. 30c; ¼lb. 85c; lb. \$2.50



EGGPLANT, Black Beauty

Collards

TRUE GEORGIA. 75 days. Plant 2 to 3 feet high, forming a cluster of tender, undulated leaves at the top of its rather long stems. Used as greens.

Oz. 15c; ¼lb. 40c; lb. \$1.10

Kohl-Rabi

TURNIP-ROOTED CABBAGE

Cultural Directions. One ounce to 200 feet of drill. Seed should be sown in light, rich soil, very early in the spring for early crop, in rows 18 inches apart. Thin to 6 inches apart in the row. Plantings should be made the latter part of July for fall use. Should be used when young and tender.

EARLY WHITE VIENNA. 60 days. Very early. Small tops; can be planted close together. Best for forcing or field culture.

Oz. 30c; ¼lb. 85c; lb. \$2.50

Leek

AMERICAN FLAG. 150 days. Stem about 10 inches long by 2 inches thick. A vigorous plant with mild flavor. One of the best sorts for the market garden.

Oz. 70c; ¼lb. \$2.00; lb. \$6.00

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.

Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

**LEEK, →
American Flag**

**KOHL-RABI,
Early White
Vienna ↓**





The above photograph shows the Grand Rapids Forcing Lettuce, Washington Strain, in full bloom in the greenhouse, where it is possible, by careful plant selection, to keep it up to its original purity.

Leaf Lettuce

Cultural Directions. One ounce to 150 feet of drill. Lettuce requires rich soil to grow best quality. Mix a complete commercial fertilizer with the soil and sow seed very early in the spring. For Leaf Lettuce sow in rows 12 inches apart and do not thin until plants are big enough

to use. Head Lettuce should be sown in rows 18 to 24 inches apart and thinned to 12 to 15 inches apart in the row.

During warm weather germination may be greatly aided by firming the seed bed and sowing the seed shallow. Keep the soil moist until germination is completed.

GRAND RAPIDS FORCING LETTUCE, WASHINGTON STRAIN. 45 days. This splendid strain is one of the favorites being used by all of the larger growers, who recommend it as a superior Lettuce. The late Mr. Yonker, who was one of our leading greenhouse growers, by careful plant selection has kept it up to its original purity. It is absolutely true to type. Color is light green. Heads very leafy; leaf crisp, tender and curly. Quality of the best. We grow our own foundation seed in the greenhouse, as shown by the above photograph and send it to one of the best seed growers on the coast to grow the seed crop.

Oz. 25c; 1/4lb. 70c; lb. \$2.00

GRAND RAPIDS TIP-BURN RESISTANT. 45 days. Color light green, somewhat like the Washington strain. Being used for greenhouse growing where tip-burn is visible.

Oz. 25c; 1/4lb. 70c; lb. \$2.00

BLACK-SEEDED SIMPSON. 40 days. One of the best loose-leaved varieties for outdoor sowing in the home or market garden. Can be grown all through the season; very tender.

Oz. 25c; 1/4lb. 70c; lb. \$2.00

TENDERGREEN. 45 to 50 days. Originated by Dr. Wittwer at the Michigan State University. A dark, cool-weather Lettuce, a cross between Grand Rapids Forcing and Bibb. It grows well where it is shady, either indoors or outdoors.

1/2oz. \$1.00; oz. \$1.75; 1/4lb. \$6.50

BURPEEANA. 75 days. This sensational new Lettuce developed by W. Atlee Burpee Co. is an improved Bibb type for greenhouse and outdoor production. Up to 25% higher yield than Bibb. It is outstanding in quality, appearance and uniformity. Slow bolting in growth habit. Produces shiny deep green butterheads with very slight bronze marking, moderately crinkled or savoyed; always crisp and tender—never bitter. A very superior sweet flavor.

Oz. \$1.00; 1/4lb. \$3.00; lb. \$9.00

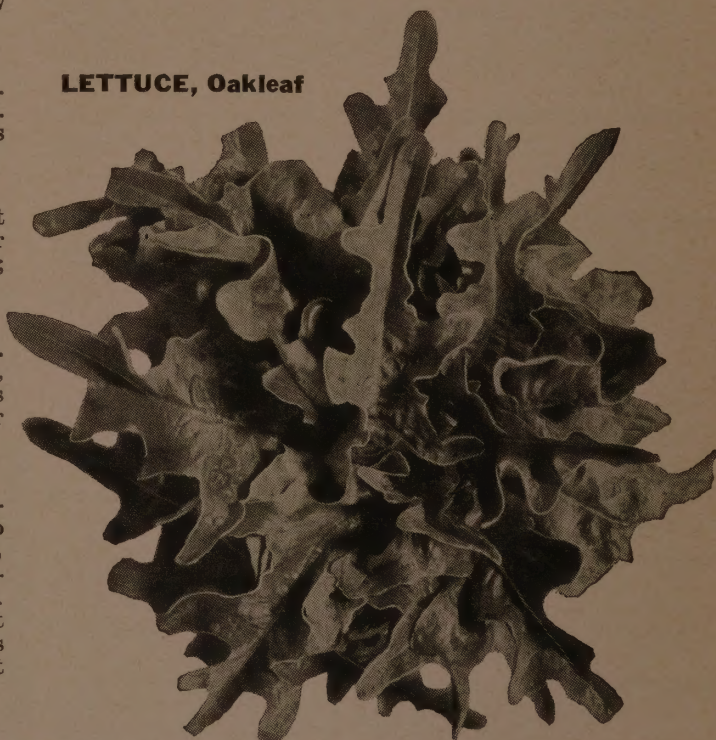
PRIZEHEAD. 45 days. A crisp and tender loose-leaved, non-heading sort. Light brown on a medium green base; quality good.

Oz. 30c; 1/4lb. \$1.00; lb. \$3.00

OAK LEAF. 43 days. A distinct Lettuce. Leaves are smooth but are deeply lobed, like the leaf of an oak tree. Medium large size, spreading, fairly dark green. Leaves are thick, succulent and tender.

Oz. 30c; 1/4lb. \$1.00; lb. \$3.00

LETTUCE, Oakleaf



NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY. Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

Head Lettuce

PREMIER GREAT LAKES. 75 days. Developed from a single plant selection of Great Lakes at Penn State College. Heads solid, practically round, up to 7 inches in diameter and 2 pounds in weight. Slow to bolt and very resistant to tip-burn. **Oz. 60c; ¼lb. \$1.70; lb. \$5.00**

OSWEGO (NEW). This is an improved type of heat-resistant head lettuce developed by USDA for areas where heat and humidity are excessive for the best development of marketable heads. Recommended for the muck areas of the mid-west. **Oz. 80c; ¼lb. \$2.50; lb. \$9.00**

GREAT LAKES 6238, Regular Strain. 83 days. A heading variety of the Imperial type, developed by the U. S. Dept. of Agriculture and Michigan State College. Leaves large and well folded; heavy ribs. Shows considerable resistance to tip-burn and ability to head under adverse conditions. **Oz. 60c; ¼lb. \$1.75; lb. \$6.00**

PENNLAKE. 83 days. Developed at the Pennsylvania Experiment Station from a cross of Great Lakes and Imperial 847. Heads compact and well covered, protected from scald by broad wrapper leaves. Less ribby than Great Lakes, but equally solid and resistant to tip-burn. **Oz. 60c; ¼lb. \$1.70; lb. \$5.00**

IMPERIAL or CORNELL 456. 82 days. A true selection of the Imperial type. This strain shows great resistance to tip-burn. Particularly adapted for muck soils. Frame and head slightly smaller than Great Lakes, but makes a firm and harder head. It is a lighter green in color, and also resistant to early bolting.

Oz. 60c; ¼lb. \$1.75; lb. \$5.50

GREAT LAKES 659. 88 days. This variety of Great Lakes Head Lettuce forms a large percentage of true uniform heads. Leaves are dark green and wrapped closely around the heads, which are medium size, solid and rounded. Recommended for a late summer and fall crop in northern muck areas.

Oz. 50c; ¼lb. \$1.50; lb. \$5.00;
5 lbs. or more, \$4.75 per lb.

ROMAINE or EARLY WHITE SELF-FOLDING LETTUCE. 66 days. We consider this the very best strain of the Cos variety. Very uniform in type; forms a compact, firm head. Color dark green outside, beautifully blanched inside. Very crisp and sweet.

Oz. 20c; ¼lb. 60c; lb. \$1.75

BIBB. 57 days. A distinct butterhead, very dark green variety, which is becoming more popular every year. Loosely folded heads of small size. Leaves thick. Quality excellent. **Oz. 30c; ¼lb. 90c; lb. \$2.75**

BIBB VELVET IMPROVED. 54 days. This new strain grows larger than regular Bibb and its leaves are not fringed with red. Stands sometimes a month longer than Bibb without bolting. Very fine eating quality.

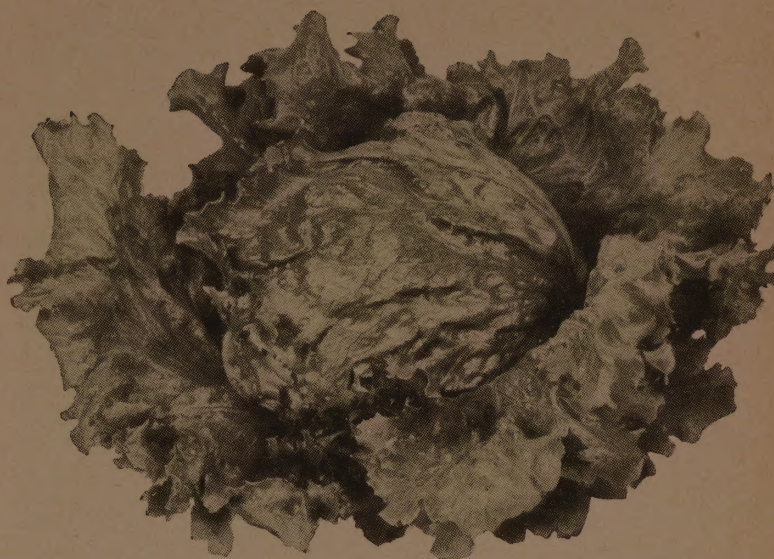
Oz. 45c; ¼lb. \$1.25; lb. \$4.00

DARK GREEN COS. 70 days. A medium large, dark green variety which forms a good-sized, well-folded head.

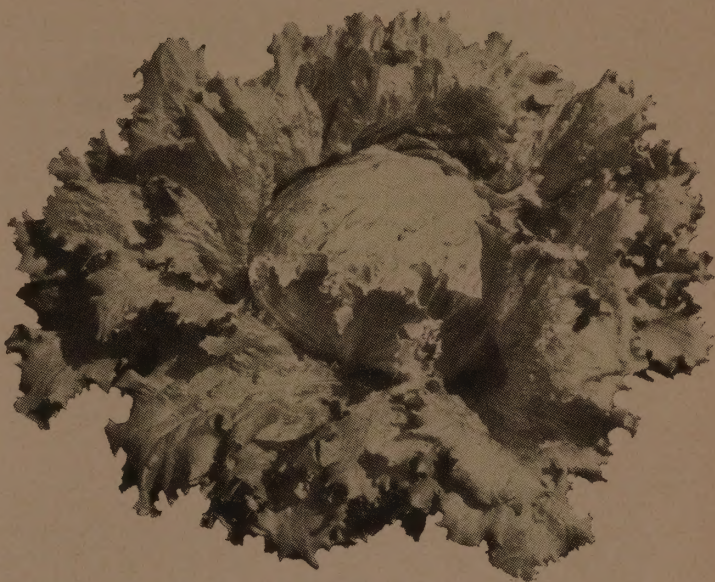
Oz. 20c; ¼lb. 60c; lb. \$1.75

SALAD BOWL. An excellent home-garden Lettuce.

Oz. 65c; ¼lb. \$2.00; lb. \$6.00



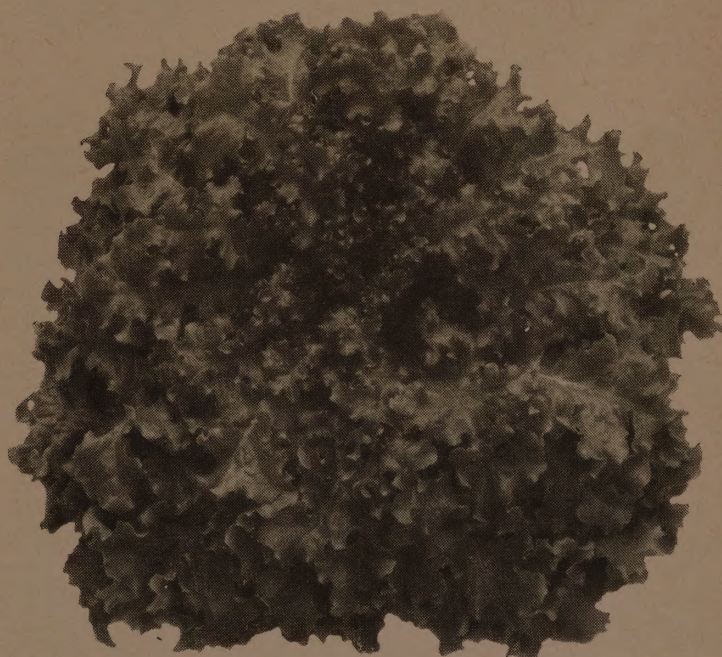
LETTUCE, Imperial No. 456



LETTUCE, Great Lakes



LETTUCE, Dark Green Cos



LETTUCE, Salad Bowl

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.



**MUSKMELON,
Hearts of Gold**

Muskmelons

Cultural Directions. One ounce will plant 50 hills; 2 pounds an acre. Melons do best in a rich, sandy soil. Broadcast 800 to 1000 pounds complete commercial fertilizer per acre before planting. Hills should be from 4 to 6 feet apart. Plant 10 to 12 seeds to the hill and cover them with an inch of soil. When danger from frost and insects is past, thin to three good plants to the hill.

Either No. 10 pyrocide dust or methoxychlor is the control measure to keep your Muskmelons clean. Apply promptly and grow melons without trouble.

HEARTS OF GOLD. 88 days. A splendid small, mid-season variety. Fruit round, 6 inches long and 5½ inches in diameter, weighing 3 to 3½ pounds, with a tendency to heart shape, lightly ribbed and covered with a fine gray netting. Flesh very thick, deep salmon color, and of high quality. A good shipping Melon.

Oz. 25c; ¼lb. 85c; lb. \$2.70

HONEY ROCK. 80 days. Fusarium resistant. One of the most prolific varieties grown. The fruit is round, slightly flattened at the ends, 5 to 6 inches in diameter, weighing 3 to 4 pounds and distinctly netted. The flesh is soft pink with a greenish tint. The rind is hard, and the flesh so firm that it is an excellent shipper.

Oz. 30c; ¼lb. 95c; lb. \$3.00

SMITH'S WILT-RESISTANT HONEY ROCK. Developed by Michigan State University and proved to be wilt resistant.

Oz. 65c; ¼lb. \$2.00; lb. \$6.00



MUSKMELON, Harvest Queen

HARVEST QUEEN. 85 days. Fusarium resistant. The melons are medium sized, oval in shape, with a thick, ropy netting covering the hard rind, which ripens from blue-gray to golden yellow. The extra thick flesh is fine textured, with a delicious Muskmelon flavor.

Oz. 30c; ¼lb. 90c; lb. \$3.00

GOLDEN DELIGHT. Outstanding for home and local market, but not recommended for long-distance shipping. A large, broad, oval melon of the Pride of Wisconsin type, but larger and earlier. Very thick, salmon-colored flesh, with one of the best flavors of any melon in its class. Attractive grayish green netting with indistinct ribbing.

Oz. 30c; ¼lb. 95c; lb. \$3.00

IROQUOIS. 90 days. This new melon has definite resistance to fusarium wilt. Fruits are round to oval, about 6½ inches in diameter, with prominent ribs and good netting; the rind is tough and holds up well. Flesh is deep orange color, of fine texture and excellent quality.

Oz. 30c; ¼lb. 95c; lb. \$3.00

SCHOON'S HARD SHELL IMPROVED. 90 days. Prominent ribbing with abundant coarse netting; skin gray-green, becoming yellow at maturity. Flesh very thick, deep salmon-orange, well flavored, of excellent quality. Thick, oval fruits, 6½ to 7½ inches in diameter, weighing 5 to 7 pounds.

Oz. 30c; ¼lb. 95c; lb. \$3.00

EXTRA EARLY OSAGE or MILLER'S EARLY. 84 days. Standard variety of splendid quality for nearby markets and home gardens. Fruits 6 to 7 inches long, almost round, with shallow furrows and sparse shallow netting. Flesh very thick, salmon-orange, fine grained, sweet, aromatic.

Oz. 25c; ¼lb. 85c; lb. \$2.50

DELICIOUS No. 51. 83 days. Fusarium resistant. This is one of the early melons, finely netted, with sweet, firm orange flesh of fine quality. Shell is hard and well ribbed. Size is 7 by 5 inches; weight about 7 pounds. Recommended for local market but not for long-distance shipping.

Oz. 30c; ¼lb. 95c; lb. \$3.00



MUSTARD, Southern Giant Curled

Mustard

SOUTHERN GIANT CURLED. 60 days. Plant vigorous and hardy, upright and spreading. Leaves large, green tinged yellow, much crumpled and frilled at the edges.

Oz. 15c; ¼lb. 45c; lb. \$1.25

LARGE SMOOTH-LEAF. 50 days. Large, vigorous, deep green leaves, broad and oval; margin toothed but otherwise plain.

Oz. 15c; ¼lb. 45c; lb. \$1.25

Okra or Gumbo

DWARF LONG-POD GREEN. 55 days. Replacing White Velvet Prolific. Plant 2½ to 3 feet tall; pods dark green, fleshy and tender, become 7 to 8 inches long and 1½ inches in diameter. Distinctly ribbed and tapered.

Oz. 15c; ¼lb. 45c; lb. \$1.50

PERKINS MAMMOTH LONG-POD. 56 days. For home and market garden. Plants 4 to 5 feet tall; pods dark green, fleshy, tender, becoming 7 to 8 inches long. Distinctly ribbed and tapered.

Oz. 15c; ¼lb. 45c; lb. \$1.50

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

Selected Varieties of Watermelon

Cultural Directions. One ounce to 30 hills; about 4 pounds per acre. Watermelons want rich, sandy soil. Cultural directions the same as for Muskmelons, except that the hills should be 8 feet apart.

NEW HAMPSHIRE MIDGET. 65 days. All-America Award. A small icebox type. Matures early. Fruit is small, elliptically shaped, with a thin rind and many small seeds. Harvest early for market use.

Oz. 25c; 1/4lb. 85c; lb. \$2.50

MARKET MIDGET. This is a new improved icebox type. The flesh is fine grained and very sweet. Fewer seeds and firmer rind. The fruits are a few days later and a little larger than New Hampshire, about 6 to 7 inches in diameter.

Oz. 45c; 1/4lb. \$1.45; lb. \$4.75



WATERMELON, New Hampshire Midget

EARLY MIDGET. F₁ hybrid Watermelon. 80 days.

This is the ideal icebox Watermelon, uniform, dark green in color and of excellent quality. Crisp red flesh with black seeds, and it has the thick skin necessary for good shipping. The shape is round to slightly oblong, and the average weight is 6 pounds.

1/4oz. \$1.50; 1/2oz. \$2.25; oz. \$3.50; 1/4lb. \$10.00

HARRIS EARLIEST (Cole's Early). 75 days. The best extremely early variety. Fruits medium size, broad, oval, weighing 10 to 12 pounds. Dark green stripes alternate with lighter; rind brittle. Flesh bright red, of good quality; seeds blackish. **Oz. 25c; 1/4lb. 85c; lb. \$2.50**

SUGAR BABY. 85 days. This new icebox melon is a great improvement in its class. Very uniform, nearly round, averaging 7 inches in diameter. The rind is hard, making it a good shipper. It ripens to a smooth dark green. The flesh is solid, crisp and bright red, with small brown seeds. Flavor is very sweet and tasty. Unexcelled in quality in this midget class. Seed supply limited.

Oz. 30c; 1/4lb. 95c; lb. \$2.75

KLONDYKE, BLACK SEEDED. 85 days. An important market and early shipping variety. The dark green fruit is fairly large, averaging 16 inches long and 8 inches in diameter, with slightly flattened ends. Very thin rind; flesh bright scarlet. **Oz. 30c; 1/4lb. 95c; lb. \$2.75**



WATERMELON, Dixie Queen

DIXIE QUEEN. 85 days. Wilt resistant. An excellent new variety for the market and the home garden. Fruit nearly round, with light and dark green stripes, growing to a good size. Rind thin but tough; flesh bright scarlet, solid, of fine texture. Weighs around 30 pounds.

Oz. 25c; 1/4lb. 70c; lb. \$2.25

CHILEAN BLACK SEEDED. 80 to 85 days. Fruit 10 by 9 inches, almost round, medium green with darker green stripes. Brilliant red flesh; black seed. A popular medium-sized variety. **Oz. 25c; 1/4lb. 70c; lb. \$2.25**

KLECKLEY SWEET No. 6. 85 days. Wilt resistant. One of the sweetest melons on the market; medium early, long, averaging 18 to 20 inches, slightly tapering to the stem end, weighing 30 to 40 pounds. Rind very dark green; flesh very bright red and ripening nearly to the rind. Too tender for shipping but excellent for market and home garden. **Oz. 25c; 1/4lb. 70c; lb. \$2.25**

CALIFORNIA HONEY or EARLY ARIZONA. 75 days. Recommended for home garden and short-distance shipping early in the season. Dark green, nearly round, 10 by 9 1/2 inches. Flesh is bright red, very sweet; dark brown seeds. **Oz. 25c; 1/4lb. 85c; lb. \$2.50**

CHARLESTON GRAY. 85 days. Anthracnose and wilt resistant. A long-distance shipper, 24 by 10 inches in size and weighing 35 pounds. Rind gray-green; flesh scarlet, crisp and sweet.

Oz. 25c; 1/4lb. 85c; lb. \$2.50

TOM WATSON. 92 days. Melons 18 to 24 inches long by 10 to 12 inches in diameter, weighing 35 to 40 pounds. Flesh deep red and very crisp, melting and of exquisite flavor. Good shipper.

Oz. 25c; 1/4lb. 70c; lb. \$2.25

CITRON, RED SEEDED. 90 days. The old well-known red-seeded preserving melon.

Oz. 25c; 1/4lb. 70c; lb. \$2.00



WATERMELON, Kleckley Sweet

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.



ONION, Extra Early Yellow Globe

DOWNING'S YELLOW GLOBE. 110 days. A new strain of Yellow Globe type, superseding all the others. Compared with Brigham Yellow Globe, it has a uniformly darker color and is considered an improvement over the well-known storage types. Bulbs globe shaped, very solid, with tight-fitting skins; excellent keeping qualities.

Oz. 50c; 1/4lb. \$1.30; lb. \$3.75; 10 lbs. \$36.00

BRIGHAM YELLOW GLOBE. (The long keeping Onion). 109 days. One of the leading strains of Yellow Globe Onions. Bulbs are selected for type, size and quality. Vigorous growth. Good keeper, globe shape, rich golden color.

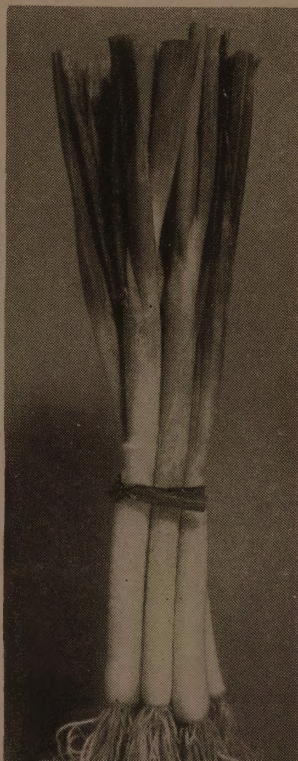
Oz. 50c; 1/4lb. \$1.30; lb. \$3.75; 10 lbs. \$36.00

EXTRA EARLY YELLOW GLOBE. 98 days. Excellent semi-globe shape and a good yielder. It ripens well, and under normal conditions the bulbs are ready for market 10 days ahead of the Southport Yellow Globe. Color is a rich deep yellow. Can be kept in storage for a limited time.

Oz. 50c; 1/4lb. \$1.30; lb. \$3.75; 10 lbs. \$36.00



HYBRID ONIONS

ONIONS,
Long Bunching

Choice Onion Seed

Cultural Directions. One ounce to 150 feet of drill; about 4 to 6 pounds to the acre. Onions for the market are generally raised on muck land in Michigan, but may be grown for home use on any rich, loamy soil. They appreciate plenty of fertilizer on muck; the market growers apply heavily about a 3-9-27 fertilizer. Drill in rows about a foot apart, covering seed to a depth of 1/2 inch. Use only fresh, 1-year-old Onion seed.

On dry Onions Dieldrin 1 1/2% dust gives excellent control of both maggots and thrips. This material should not be used on a crop to be eaten as green Onions.

Hybrid Onions

EARLY HARVEST. 88 days. This early hybrid variety produces round, light yellow bulbs with slender neck and white flesh. A crop of this variety from seed will mature as quickly as one grown from sets. Bred especially for northern areas. Not available. Seed crop failure.

ABUNDANCE. 103 days. A hybrid of the Early Yellow Globe class which produces exceptionally high yields. Very deep globe shape. Outer scales are dark straw to coppery bronze in color. Too soft for bulk storage.

ARISTOCRAT. 105 days. Limited supply.

EPOCH. 108 days. A very hard, thick-skinned storage type. Yields about the same as Brigham Yellow Globe but is more uniformly hard and thick skinned. Shape is full globe, and dry scales are very dark bronze in color.

Prices of the above four: Oz. \$1.00; 1/4lb. \$3.00; lb. \$9.50. In 10-lb. lots, \$9.25 per lb.

AUTUMN SPICE. An extra hard, long-keeping Onion. Highly successful in many Onion sections, especially in Canada and the Middle West. The medium-sized bulbs are globe to deep globe in shape, with small necks. They are well protected with a thick brown skin. Used for prepackaging as well as general market. Its uniformly attractive bulbs can be stored in winter.

Oz. 75c; 1/4lb. \$2.25; lb. \$8.25; 10 lbs. \$80.00

Sweet Spanish

UTAH SWEET SPANISH. 110 days. Deep yellow, with thicker skin and of uniform size. Excellent keeping quality. Bulbs globe shape, about 2 1/2 to 3 inches; when larger, they are a slightly flattened globe shape. Flesh white, of mild, pleasing flavor.

Oz. 60c; 1/4lb. \$1.80; lb. \$5.50

SWEET SPANISH, GROWERS STRAIN. 110 days. The largest yielder of the yellow Onions and not susceptible to the attack of thrips. Bulbs average 3 to 4 inches in diameter. Good keeper and shipper.

Oz. 60c; 1/4lb. \$1.80; lb. \$5.50

WHITE SWEET SPANISH. 110 days. Similar to original Sweet Spanish but white, with glistening skin. Globe shape.

Oz. 60c; 1/4lb. \$1.80; lb. \$5.50

SOUTHPORT WHITE GLOBE. 120 days. Same type as Southport Yellow Globe, with a thin delicate skin of pure paper whiteness, but two weeks earlier and exceedingly mild. It usually commands the highest price on the market.

Oz. 50c; 1/4lb. \$1.50; lb. \$4.50; 10 lbs. \$42.50

WHITE PORTUGAL or SILVERSKIN. 100 days. An early flat white Onion of mild flavor. Used mostly to grow sets.

Oz. 50c; 1/4lb. \$1.50; lb. \$4.50

WHITE WELCH. 100 days. While it forms no bulbs, it is one of the best for bunching as green Onions. Very hardy. The white shoots make a rapid growth and are ready for market ahead of those from sets. Mild and delicate in flavor.

Oz. 50c; 1/4lb. \$1.50; lb. \$4.50

LONG BUNCHING (Heshiko). (American grown.) A new perennial bunching Onion that does not form a bulb.

Oz. 45c; 1/4lb. \$1.35; lb. \$4.00

Chives

A hardy perennial with mild onion-like flavor. Listed under Herbs on page 31.

Pkt. 15c; oz. 70c; 1/4lb. \$2.25

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY. Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

Parsnips

Cultural Directions. One ounce will sow 100 to 150 feet of drill; 3 to 4 pounds per acre. Sow thickly in April or May, covering to a depth of $\frac{1}{2}$ inch. Thin as for carrots. Use only fresh, one-year-old seed. Parsnips require a long season to mature and may require several weeks to germinate.

HOLLOW CROWN. 130 days. This variety is more generally grown than any other. Roots smooth, tender and sugary, with thick shoulder.

Oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75

SHORT THICK. 100 days. Short thick roots, free from strings; flavor much more delicate than other varieties. Fully a month earlier than Hollow Crown, with tops only half as large. **Oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75**

HARRIS EARLY MODEL. 95 days. Root is 10 inches long by $3\frac{1}{2}$ inches thick at the shoulder, tapering off more abruptly than Hollow Crown. Flesh white, tender, sweet, good quality. Free from side roots.

Oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75

ALL-AMERICAN. 95 days. Root is 12 inches long by 3 inches thick at the shoulder, tapering gradually to the tip; smooth and decidedly hollow crown. Flesh white and tender. Selected for whiteness of skin and slightly more length. Very few side roots.

Oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75

Parsley

Cultural Directions. One ounce to 150 feet of drill. Seed germinates very slowly. Sow thickly in rows 15 inches apart and thin to 4 or 5 inches apart in the row. Parsley requires rich soil.

TRIPLE CURLED (Paramount). 85 days. Handsome plant, beautifully curled and rapid growing. Will produce a large crop. **Oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50**

HAMBURG ROOTED. 90 days. Grown for the root, which resembles a parsnip in shape and color. Foliage very much like plain Parsley.

Oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50

NOTE: Seed items listed above are postpaid to the 4th postal zone ONLY.

Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

Garden Peas

Cultural Directions. Two pounds will plant 100 feet of drill; about 2 bushels or 120 pounds per acre. Peas do best on well-drained, rich, sandy loam that has been manured the previous season. Plant smooth, early sorts as soon as the ground can be worked in the spring. The wrinkled varieties are liable to rot if the soil is cold and wet, and should be planted later.

ALASKA. (Wilt resistant.) 57 days. A small, smooth blue Pea, and one of the earliest. Grown largely by canners and market gardeners for early crop. Vine about 2 feet in height; pods small but well filled. Can nearly all be harvested at one picking.

Not postpaid: Lb. 35c; 10 lbs. \$2.90; 25 lbs. \$6.50

LITTLE MARVEL. 60 days. One of the most prolific of the second early sorts. Pods 3 to 4 inches long, filled with deliciously sweet Peas. Vines about 15 inches tall.

Not postpaid: Lb. 40c; 10 lbs. \$3.30; 25 lbs. \$7.00

IMPROVED LAXTONIAN. 62 days. The best of Laxtonian type. Second early—a little earlier than Gradus. Vine 16 inches high, sturdy, dark green and productive; pods dark green, 4 inches long, broad, containing 8 large Peas of excellent quality. The best second early, big-podded sort. Suitable for quick freezing.

Not postpaid: Lb. 40c; 10 lbs. \$3.30; 25 lbs. \$7.00

THOMAS LAXTON. 62 days. One of the best second early sorts for the market gardener. About 3 feet tall, hardy and productive. Pods long, blunt ended and well filled with large wrinkled Peas. Suitable for quick freezing.

Not postpaid: Lb. 40c; 10 lbs. \$3.30; 25 lbs. \$7.00

LAXTON'S PROGRESS or MORSE'S PROGRESS

No. 9. (Wilt resistant.) 62 days. Splendid variety for home, market garden and shipping. Vines dwarf (about 22 inches), dark green, prolific. Pods 4 inches long, handsome, dark green, plump, tapered at ends. Seeds large, wrinkled, cream, interior yellow. Suitable for quick freezing.

Not postpaid: Lb. 40c; 10 lbs. \$3.30; 25 lbs. \$7.00



PARSNIPS, Hollow Crown

DWARF TELEPHONE. 72 days. A splendid main-crop Pea and a heavy yielder. Height $2\frac{1}{2}$ feet. Foliage very heavy, sturdy, dark green. Pods 4 inches long, dark green, broad, straight and pointed, containing 9 large medium dark green Peas of the best quality. Suitable for quick freezing.

Not postpaid: Lb. 40c; 10 lbs. \$3.30; 25 lbs. \$7.00

ALDERMAN or TELEPHONE. 72 days. Vines about 4 feet in height, with very heavy foliage. One of the most productive sorts. Pods long, dark green, well filled; seed wrinkled. Suitable for quick freezing.

Not postpaid: Lb. 40c; 10 lbs. \$3.30; 25 lbs. \$7.00

Edible-Pod Sugar Peas

DWARF GRAY SUGAR. 62 days. A dwarf, edible-pod variety. Vines about 2 feet high. Cook pods like string beans.

Not postpaid: Lb. 40c; 10 lbs. \$3.30; 25 lbs. \$7.00

Edible Cowpeas

CALIFORNIA BLACKEYE. 95 days. A newer improved selection with concentrated pod set at crown. Holds pods erect; large seed. Resistant to charcoal rot, Cowpea wilt and nematodes. Normally much more productive than the old type Blackeye. Popular for edible purposes.

Not postpaid: Lb. 40c; 10 lbs. \$3.30



PEAS, Little Marvel

Peppers

Cultural Directions. One ounce will produce about 2000 plants; 8000 to 9000 plants for an acre. Sow seeds in hotbeds from February to April; transplant to open ground when all danger from frost is past, in rows about 3 feet apart and 18 inches apart in the row. Seed can be sown in the open ground late in May, and thinned as above. Cover seed about $\frac{1}{2}$ inch.

VINEDALE. 62 days. Earliest producer. Fruit medium sized and tapered, with thick flesh of good quality. Produces red sweet Peppers right from the start of the season. Heavy producer.

Oz. \$1.00; $\frac{1}{4}$ lb. \$3.35; lb. \$10.00

CALIFORNIA WONDER. 72 days. Solid flesh, which is often $\frac{3}{8}$ inch thick, places this sweet Pepper above all others. Vigorous plants; blocky fruit 5 inches long and 4 inches wide. Fine for stuffing.

Oz. 65c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.25

YOLO WONDER. 74 days. Mosaic-resistant California Wonder strain. Fruit 3 to 4 lobed, blocky and smooth; flesh thick, with mild sweet flavor. Dark green, changing to brilliant red.

Oz. 70c; $\frac{1}{4}$ lb. \$2.25; lb. \$7.00

KEYSTONE RESISTANT GIANT. 74 days. The mosaic-resistant plant is 28 inches tall, upright and vigorous, with extremely thick stems and abundant foliage. Sets fruit $4\frac{1}{2}$ inches long, $3\frac{3}{4}$ inches across, mostly 4-lobed. Attractive dark green, turning dark red when ripe.

Oz. \$1.00; $\frac{1}{4}$ lb. \$3.50; lb. \$12.00

LIBERTY BELL. Pendent-fruited California Wonder type with resistance to tobacco mosaic and a tolerance of at least one strain of cucumber mosaic. Fruits predominantly 4-lobed, thick walled, blocky, deep green in color

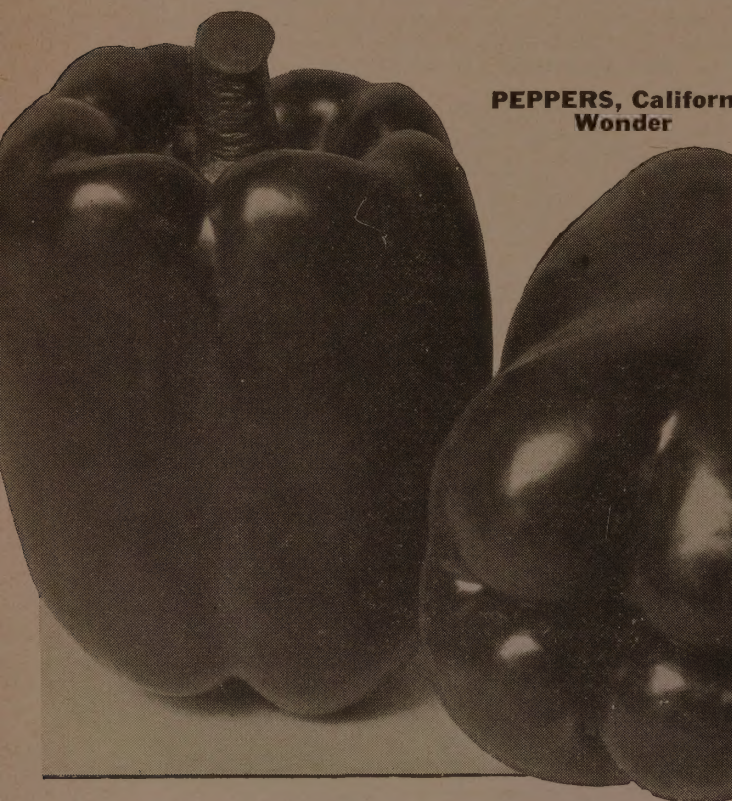
Oz. \$1.00; $\frac{1}{4}$ lb. \$3.50; lb. \$12.00

LONG RED CAYENNE. 70 days. Pendent fruits, about 5 inches long and $\frac{3}{4}$ inch in diameter at the base, often curved and twisted. Bright red, hot and pungent.

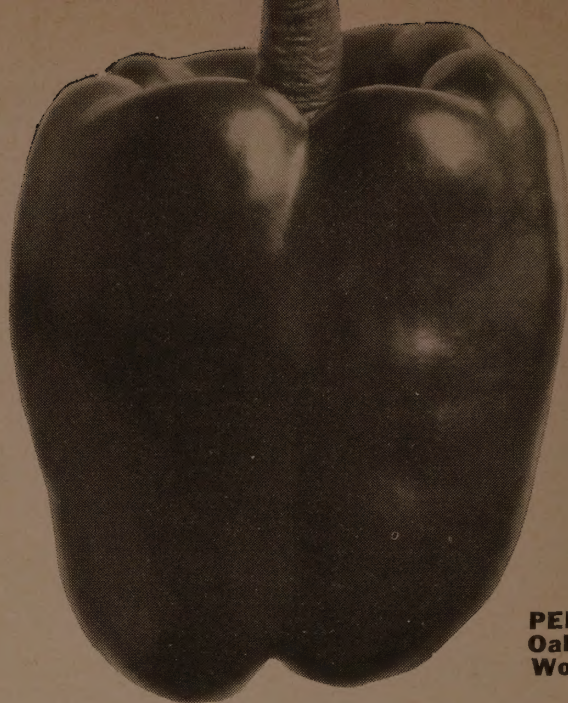
Oz. 65c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.25

HUNGARIAN YELLOW WAX. (Hot.) 60 days. Very early. Desirable for home, market garden and canning. Plants small, heavily productive. Fruits 6 to 7 inches long, 2 inches thick, tapered, smooth, waxy light yellow becoming bright red. Flesh thick, pungent.

Oz. 80c; $\frac{1}{4}$ lb. \$2.75; lb. \$8.75



PEPPERS, California Wonder



PEPPER, Oakview Wonder

HUNGARIAN YELLOW SWEET. 60 days. Extra early. The tapered fruit is from $5\frac{1}{2}$ to 6 inches long by $1\frac{1}{2}$ inches in diameter; smooth flesh is fairly thick and pungent. Color is waxy yellow, becoming bright red at maturity. **Oz. 80c; $\frac{1}{4}$ lb. \$2.75; lb. \$8.75**

SWEET BANANA. 65 days. The plant is 20 to 24 inches tall, upright and very vigorous, with large, heavy dark green leaves. Fruit $6\frac{1}{2}$ to $7\frac{1}{2}$ inches long, $1\frac{1}{2}$ inches in diameter, tapered to the point, with very slight curve. Sweet flesh, medium thick. Light yellow, turning to bright red at maturity. An excellent variety for home and garden.

Oz. 80c; $\frac{1}{4}$ lb. \$2.75; lb. \$8.75

ROUMANIAN. 67 days. An attractive waxy yellow variety. Fruits 4 to $4\frac{1}{2}$ inches long, of mild, sweet flavor. Quite prolific.

Oz. \$1.25; $\frac{1}{4}$ lb. \$4.25; lb. \$15.00

RUBY KING. 65 days. One of the most profitable and satisfactory varieties for the home or market garden. Plants are early, productive and of dwarf, compact, upright growth. Fruits pendent, often 4 to 6 inches long by 3 to 4 inches thick, tapering and of a bright ruby-red color; flesh is thick, mild and sweet.

Oz. 65c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.25

PIMIENTO. 73 days. A rather late, very thick-fleshed, heart-shaped, smooth, mild, crimson variety. Much used for salads. **Oz. 75c; $\frac{1}{4}$ lb. \$2.50; lb. \$8.00**

RED CHILI. 85 days. Small, red, cone-shaped fruits. Very hot and prolific. Used for seasoning.

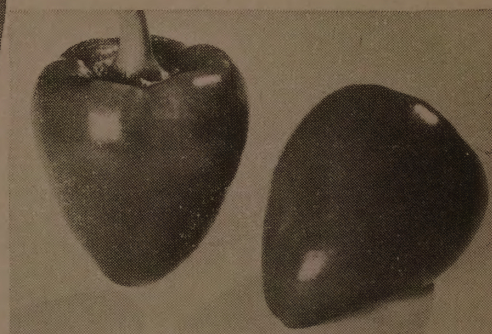
Oz. 65c; $\frac{1}{4}$ lb. \$2.00; lb. \$7.25

OAKVIEW WONDER. 63 days. An earlier and more productive strain of California Wonder. Fruits blocky, smooth, with thick, mild, sweet flesh. Plants shorter and stockier but fruits are set earlier and more abundantly.

Oz. \$1.00; $\frac{1}{4}$ lb. \$3.00; lb. \$10.50

WORLD BEATER No. 13. 70 days. Plant 26 inches tall, upright, vigorous, resistant to mosaic, uniform, very productive. Good protecting foliage. Fruit is $4\frac{1}{2}$ inches long, 4 inches wide at the base, well shaped. Sweet, medium thick flesh wall. Green, turning bright red at maturity.

Oz. 80c; $\frac{1}{4}$ lb. \$2.40; lb. \$7.50



→ PEPPER, Pimiento

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY. Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.



PUMPKINS, left to right:
Connecticut Field, Jack O'Lantern, Sugar Pie

SUGAR PIE. 110 days. Earliest and best for pies. Fruits commonly 6 inches deep and 9 inches in diameter, flattened and furrowed; skin smooth, hard, rich reddish orange. Thick, orange-yellow flesh of high quality.

Oz. 25c; 1/4lb. 70c; lb. \$2.25

KING OF THE MAMMOTHS. Productive variety of high feeding value, generally grown for stock feed. Fruits enormous, nearly spherical. Skin reddish yellow; flesh thick, bright yellow, firm, rather coarse. Squash-like appearance. **Oz. 25c; 1/4lb. 75c; lb. \$2.50**

Pumpkins

Cultural Directions. One ounce of seed for 20 hills; about 3 pounds per acre. Seed should be planted in hills 8 to 10 feet apart each way, after soil gets warm. Cultivate until vines begin to run. Cut Pumpkins after leaves die, leaving 3 to 4 inches of stem attached to fruit. Store in a dry place, and do not bruise. Dust with Pyrocide No. 10 or rotenone to control vine borer.

HALLOWE'EN TYPE

CONNECTICUT FIELD. 115 days. Standard field Pumpkin for pies, canning and stock feed. Fruits very large, commonly 12 inches deep and 14 inches in diameter, weighing 20 pounds; sometimes much larger. Shell smooth, deep orange-yellow, thin, hard; flesh thick, coarse, sweet, deep yellow.

Oz. 25c; 1/4lb. 70c; lb. \$2.25

JACK O'LANTERN or HALLOWE'EN. A strain of Connecticut Field selected for the Halloween trade. Grows 7 1/2 to 8 inches in diameter and 8 to 9 inches deep. Perfect for Halloween but can be used as a table Pumpkin. Outside color is orange; flesh is tender and sweet.

Oz. 25c; 1/4lb. 75c; lb. \$2.50

Radishes



RADISH, Early Scarlet Globe

RED BOY. (NEW.) 22 days. An outstanding Northrup King development, bred for high yield and extremely short top (only 2 to 2 1/2 inches). Red Boy is in the Cherry Belle class, very uniform and a dependable bulber. Ideally suited for high-nitrogen soils. It has an intense bright scarlet-red color for poly-bags or bunching. Round to globe shape; crispy firm flesh. Order early.

Oz. 15c; 1/4lb. 30c, postpaid.

Not postpaid: Lb. \$1.00; 10 lbs. or more, 80c per lb.

CAVALIER. 25 days. A highly colored and attractive variety for all purposes, especially for shipping. Tops small; roots oblong-globe, very firm and of bright red color. Especially adapted for growing on muck soils.

Oz. 15c; 1/4lb. 30c, postpaid.

Not postpaid: Lb. \$1.00; 10 lbs. or more, 80c per lb.

CHAMPION. 22 days. One of the finest all-round Radishes for market and home garden. It grows quickly to edible size and then will continue increasing to about 2 1/2 inches in diameter. Will stand an amazingly long time without becoming pithy. Mild, sweet flesh; color bright scarlet. **Oz. 20c; 1/4lb. 50c, postpaid.**

Not postpaid: Lb. \$1.50; 10 lbs., \$1.25 per lb.

RED PRINCE. 22 days. A new development from the University of Wisconsin, selected from Scarlet Globe Short Top strain for resistance to fusarium wilt. Extremely attractive, highly refined and very uniform. Very small, weak tops. Color deep scarlet.

Oz. 20c; 1/4lb. 50c, postpaid.

Not postpaid: Lb. \$1.50; 10 lbs., \$1.25 per lb.

EARLY SCARLET GLOBE. 20 days. This old favorite round red Radish is grown from the best parent stock available. Bulbs globe shape, uniform, crisp and tender, holding up well. Tops are medium small. May be used for greenhouse forcing, but not recommended for muck soils.

Oz. 15c; 1/4lb. 30c, postpaid.

Not postpaid: Lb. \$1.00; 10 lbs. or more, 80c per lb.

GRAND RAPIDS FORCING. 20 days. The best greenhouse variety and the earliest of the Scarlet Globe type. It has the shortest top and when properly grown produces the most attractive crimson-red bulb, either for packing or bunching. Recommended for muck soils.

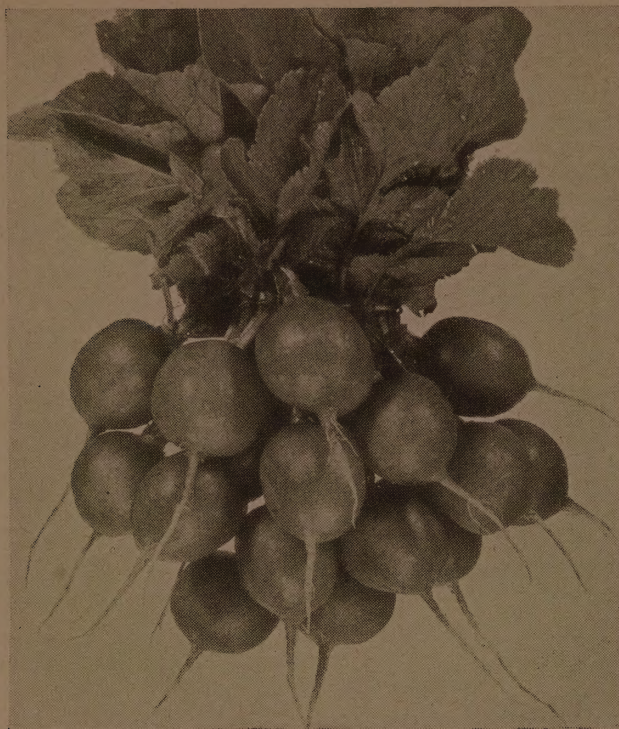
Oz. 15c; 1/4lb. 30c, postpaid.

Not postpaid: Lb. \$1.00; 10 lbs. or more, 80c per lb.



RADISH, Icicle (See Page 26)

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.



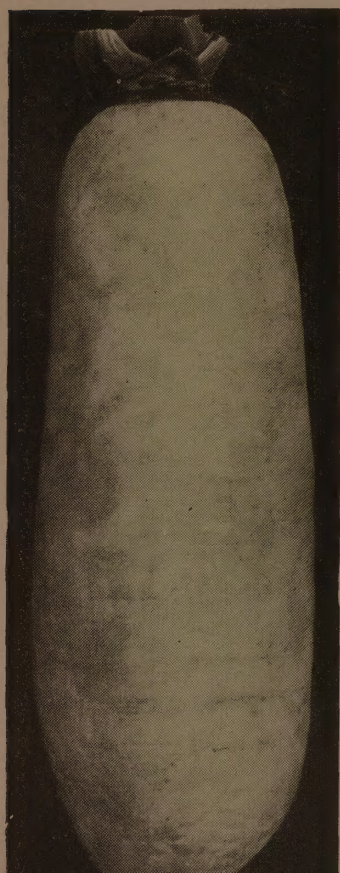
RADISH, Cherry Belle

RADISHES—Continued

CHERRY BELLE. 22 days. Rapidly becoming a standard variety for market, bunching and cello-pak. Scarlet-red roots are firm, round and very crisp, keeping longer without becoming pithy than other varieties of this type. Very slender tap-root. The short tops are small and slightly darker than the strains of Scarlet Globe Short Top. **Oz. 15c; 1/4lb. 30c, postpaid.**
Not postpaid: Lb. \$1.00; 10 lbs. or more, 80c per lb.

COMET. 25 days. Brightest colored of the bunching Radishes. Globe shaped; suitable for use when 3/4 inch in diameter, but grows much larger without becoming pithy. Tops are slightly larger than Scarlet Globe. Roots attractive, bright clear red.

Oz. 15c; 1/4lb. 30c, postpaid.
Not postpaid: Lb. \$1.00; 10 lbs. or more, 80c per lb.

**RADISH,
White Winter**

RADISH, French Breakfast

FRENCH BREAKFAST. 20 days. Of oblong shape, small, quick growing, Rose-scarlet, with small white tip.

Oz. 15c; 1/4lb. 40c, postpaid.

Not postpaid: Lb. \$1.25; 10 lbs. or more, 95c per lb.

COOPER'S SPARKLER or SCARLET TURNIP WHITE TIP. 25 days. Round Radish with a bright scarlet upper portion shading to a white tip. Very attractive for market trade.

Oz. 15c; 1/4lb. 40c, postpaid.

Not postpaid: Lb. \$1.25; 10 lbs. or more, 90c per lb.

CRIMSON GIANT. 28 days. Larger than any other extra early variety but does not become pithy. Turnip shaped, crimson-carmine; flesh firm, crisp and tender.

Oz. 15c; 1/4lb. 30c, postpaid.

Not postpaid: Lb. \$1.00; 10 lbs. or more, 80c per lb.

ICICLE. (Short Top.) 25 days. One of the earliest long varieties, white throughout. Very crisp and tender.

Oz. 15c; 1/4lb. 40c, postpaid.

Not postpaid: Lb. \$1.25; 10 lbs. or more, 90c per lb.

Winter Radishes

WHITE WINTER (Celestial). 60 days. Roots 6 to 8 inches long, thick, cylindrical and smooth, with a beautiful white skin and flesh. The whitest and least pungent of the winter Radishes.

Oz. 15c; 1/4lb. 40c, postpaid.

Not postpaid: Lb. \$1.25

CHINESE ROSE WINTER. 52 days. Roots 4 or 5 inches long, blunt at both ends, about 2 inches thick. Smooth skin of bright, deep rose color. Flesh white and crisp. One of the best winter sorts.

Oz. 15c; 1/4lb. 40c, postpaid.

Not postpaid: Lb. \$1.25

Salsify or Vegetable Oyster

Cultural Directions. One ounce to 75 feet of drill; 5 or 6 pounds to the acre. Sow the seed early in the spring in drills 12 inches apart and 1 inch deep. Thin to 4 or 5 inches apart. Like parsnips, the roots may be left in the ground all winter and dug as soon as the ground has thawed. Salsify prefers a deep, rich sandy soil.

MAMMOTH SANDWICH ISLAND. 150 days. A splendid variety producing large, thick, tapering roots. Very uniform, mild and delicious in flavor. A popular sort with the market gardeners.

Oz. 75c; 1/4lb. \$2.75; lb. \$9.00

NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY.
 Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

**SALSIFY, Mammoth
Sandwich Island**

Spinach

Cultural Directions. One ounce to 100 feet of drill; 8 to 10 pounds per acre. Sow early for spring crop; in August for fall crop. If sown from the middle to last of September and protected during the winter with a light covering of straw, it will be ready for use very early in the spring.

LONG STANDING BLOOMSDALE. 42 days. Uniform plants of long standing quality makes this a leading home and market variety. Will stand 10 to 14 days before bolting to seed. Dark green, heavy, crumpled leaf. Suitable for quick freezing.

VIRGINIA SAVOY BLIGHT-RESISTANT. 40 days. The low-growing, wide-spreading habit makes it most desirable for winter Spinach. Plants of this type attain a very large size in late fall and carry well into early spring. A single plant often weighs more than a pound. Suitable for quick freezing.

AMERICA. 44 days. A new savoy type Spinach that stands longer than any other variety but develops rather slowly. Plant similar to Long Standing Bloomsdale.

VIKING or HEAVY PACK. 45 days. The best improved strain of Viking, darker green in color. Plants strong and vigorous, with thick heavy leaves spreading to large, well-formed heads. Highly recommended in place of other smooth-leaf types for market growers and suitable for quick freezing.

All of the above: Oz. 15c; 1/4 lb. 25c, postpaid. Not postpaid: Lb. 60c; 10 lbs. \$5.00; 25 lbs. or more, 45c per lb.

NEW ZEALAND. 60 days. Entirely distinct from the other varieties. Plant tall and spreading; leaves medium green, rather small and pointed. Prickly seeded.

Oz. 15c; 1/4 lb. 25c, postpaid. Not postpaid: Lb. 75c.



SPINACH, Long Standing Bloomsdale



SPINACH, America

SPINACH, Viking



Rutabagas

AMERICAN PURPLE TOP. 100 days. A hardy, productive variety with small neck. Roots large, globe shaped, with small tap-roots; bright yellow with purple top. Solid, tender and sweet. Our strain is the best available.

CANADIAN GEM (Laurentian Neckless). 100 days. A strain of Purple Top Swede, much preferred in Canada. Tops short; practically neckless. Roots large, spherical, purplish red above ground, light yellow below. Flesh creamy yellow, firm, mild and sweet.

Either of the above: Oz. 15c; 1/4 lb. 35c; lb. \$1.00. Prepaid postage to the 4th zone ONLY. Please refer to page 3 for postal rates to zones 5, 6, 7 and 8.

BLOSSOM-SET (The No-Seed Hormone). Makes Tomatoes ripen one to three weeks earlier. It is easy to use. Just spray the blossoms as they open.
4 ozs. (makes 1 gal.) 75c; pt. (makes 4 gals.) \$1.75
New 12-oz. aerosol size, ready to use, enough for 100 plants, only **\$1.79, not postpaid.**

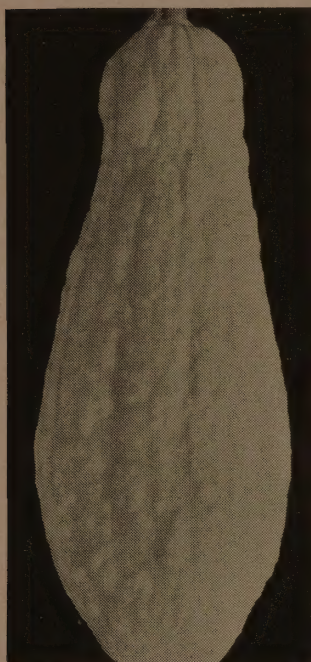


RUTABAGA, American Purple Top

Squash

Cultural Directions. For summer Squash, 1 ounce to 25 hills; 2 to 3 pounds per acre. For winter Squash, 1 ounce to 10 hills; about 3 pounds per acre. After danger of frost is past, plant 8 to 10 seeds to the hill for summer sorts, about 4 feet apart, the last of May; and winter varieties in hills about 8 feet apart, from the middle of June to July 1.

EARLY PROLIFIC STRAIGHTNECK. 50 days. A high-yielding summer Squash. Fruits straight, smooth, and of delicate creamy color. Will grow 12 to 14 inches long but can be eaten when smaller. Quality unsurpassed.
Oz. 20c; ¼lb. 60c; lb. \$1.85



SQUASH, Early Prolific Straightneck



SQUASH, Butternut

EARLY SUMMER CROOKNECK. 55 days. The largest and one of the earliest summer varieties. Fruit often 2 to 2½ feet long, very warty, and deep orange in color.
Oz. 20c; ¼lb. 60c; lb. \$1.85

CASERTA. 58 days. An early bush type Squash, producing fruits at least a week earlier than Cocozelle. Earliness and high productivity should make this a favorite for market and home gardens. Young fruits are grayish green, striped with darker green; at maturity fruits average 14 to 16 inches.
Oz. 25c; ¼lb. 70c; lb. \$2.00

ZUCCHINI. 65 days. Straight, almost cylindrical, becoming 18 inches long and 4 inches in diameter. Medium green with grayish green mottling.
Oz. 25c; ¼lb. 75c; lb. \$2.25

ZUCCHINI, DARK GREEN (Black Zucchini). 65 days. This is considered more desirable than the older type, which it resembles in all respects except color. Fruits smooth, cylindrical, rich dark green, without striping or mottling.
Oz. 25c; ¼lb. 75c; lb. \$2.25

TABLE QUEEN (Acorn or Des Moines). 80 days. Extremely prolific; one of the most popular for home, market and shipping. Fruit pointed acorn shape, 5½ inches long and 4 inches through, uniformly ridged, smooth, dark green, with thin shell. Flesh light yellow, baking dry and sweet.
Oz. 25c; ¼lb. 75c; lb. \$2.25

EBONY ACORN. (NEW.) 80 days. Dark green in color, unmottled and with a glossy sheen. In size larger than Acorn and smaller than Mammoth Table Queen, more uniform than either. Shallower ridged and finer grained. Approximately 6 by 6 inches. For local use and shipping.
Oz. 35c; ¼lb. \$1.10; lb. \$3.25

MAMMOTH TABLE QUEEN. 90 days. Similar to Table Queen, but larger.
Oz. 25c; ¼lb. 75c; lb. \$2.25

SILVER BELL. 100 days. Delicious sweet potato flavor, small size, and long keeping qualities makes this distinct new Squash a good home and garden variety. Fruits are smooth, silvery blue-gray, short bell-shaped and average 3 to 4 pounds each. Skin is thin but hard.
Oz. 35c; ¼lb. \$1.10; lb. \$3.25

DELICIOUS. 103 days. Fruits broad top-shaped, commonly 7 to 8 inches long; skin very dark green, fairly smooth, thin but hard. Extremely thick, bright yellow flesh, fine grained, dry and without fiber. Highest quality.
Oz. 25c; ¼lb. 75c; lb. \$2.25

GOLDEN DELICIOUS. 103 days. Red-orange in color. In shape and season, practically the same as the original Delicious.
Oz. 25c; ¼lb. 75c; lb. \$2.25

BUTTERCUP (Turk's Cap). 110 days. Rind thin and tough, dark green with narrow gray stripes and slight mottling. Orange flesh cooks sweet and dry. A small, thick-fleshed Squash with good storage and eating qualities.
Oz. 30c; ¼lb. 90c; lb. \$2.50

BUTTERNUT. 90 days. Fruits 10 to 12 inches long with neck about 4 inches in diameter which is solid flesh; the seed cavity is located in the lower bowl-shaped end. Skin light creamy brown; flesh yellow, fine grained and of excellent quality.
Oz. 25c; ¼lb. 75c; lb. \$2.25

BUTTERNUT 77. 80 days. Very dark green, unmottled. Size 5½ by 5½ inches, between Royal and Table Queen, but blunter on the blossom end. Shallower rib. Very heavy in production; flesh finer grained.
Oz. 55c; ¼lb. \$1.75; lb. \$5.00

The Four Hubbards

GOLDEN HUBBARD. 100 days. Similar to the Old Hubbard in form and habit, though smaller and decidedly earlier. Shell moderately warted, rich orange-red; flesh deep orange. Fine quality; good keeper.
Oz. 25c; ¼lb. 75c; lb. \$2.25

IMPROVED HUBBARD. 105 days. The standard winter Squash. Shell moderately warted, dark bronze-green; flesh bright yellow, fine grained, thick and dry.
Oz. 25c; ¼lb. 75c; lb. \$2.25

CHICAGO WARTED HUBBARD. 105 days. Similar in quality and form to Hubbard, but fruit larger and a little later.
Oz. 25c; ¼lb. 75c; lb. \$2.25

BLUE HUBBARD. 105 days. A new type of Hubbard Squash, said to excel all in the superior quality of its flesh. Similar to the original Hubbard but with a hard, blue-gray shell.
Oz. 25c; ¼lb. 60c; lb. \$1.75



SQUASH, Blue Hubbard

Standard Varieties of Tomatoes

Cultural Directions. One ounce will produce about 3000 to 4000 plants. Sow the seed indoors in light soil in March and transplant when the plants are 2 to 3 inches high. Do not set outdoors until all danger of frost is over.

EARLY WONDER. 58 days. A new early BIG Tomato. Smooth, mild, meaty, uniform, deep scarlet fruit averaging 6 ounces, with a peck or more to the plant. Plants medium small; set them 2 feet apart.

Oz. 75c; 1/4lb. \$2.35; lb. \$7.00

EARLIANA. 64 days. The most productive, first early red Tomato and a profitable sort for the market gardener. Vines are small but vigorous. Fruits medium to large in size, exceptionally smooth and solid; color bright deep scarlet.

Oz. 90c; 1/4lb. \$2.70; lb. \$8.00

FIREBALL. 65 days. One of the earliest for market. Small vines with light foliage; may be planted 1 1/2 to 2 feet apart. Fruit is bright red, uniform globe shaped, medium size, firm and sweet.

Oz. 95c; 1/4lb. \$3.00; lb. \$9.00

VALIANT. 67 days. An early market variety. Vines sparse and open. The fruits, weighing about 8 ounces, are deep, smooth, and brilliant scarlet in color.

Oz. 90c; 1/4lb. \$2.70; lb. \$8.00

SIoux or EARLY RED. 68 days. This early variety ripens from a characteristic whitish green color to deep scarlet. Vines medium size, somewhat open, with foliage of medium texture and density. Very productive. Fruit is medium size, almost globe shaped, scarlet, of fine quality and flavor. Flesh firm, with thick walls.

Oz. 95c; 1/4lb. \$3.00; lb. \$9.50

STOKESDALE. Certified. 70 days. A second early, scarlet-fruited variety. Plant rather open in habit, with medium heavy foliage. Fruits large, globe or sub-globe shape, smooth and well colored.

Oz. 90c; 1/4lb. \$2.70; lb. \$8.00

SUNRAY JUBILEE. 72 days. Short stemmed, sturdy and compact, bearing over a long period. Fruit golden yellow, globular, thick walled, of mild flavor and good quality. Medium size.

Oz. \$1.25; 1/4lb. \$4.00; lb. \$14.00

BONNY BEST. Certified. 73 days. An old standard, all-purpose variety. Fruits medium large, scarlet-red, flattened globe shape. Smooth and firm.

Oz. 70c; 1/4lb. \$2.25; lb. \$7.00

JOHN BAER. Certified. 73 days. An early, productive, red Tomato.

Oz. 70c; 1/4lb. \$2.25; lb. \$7.00

EARLY RUTGERS. Certified. 73 days. This is an early strain with a thick outer and inner wall of solid meat. Globe shaped, scarlet-red in color, resembling Marglobe. In great demand for all purposes.

Oz. 70c; 1/4lb. \$2.25; lb. \$7.00

MARGLOBE. Certified. **The Wilt and Nailhead Rust-Resistant Sort.** 75 days. Bright red in color, of large size, almost round, and very productive.

Oz. 75c; 1/4lb. \$2.50; lb. \$7.50

LONGRED. 75 days. This variety produces red fruit, globular in shape, of medium size, solid, very smooth. Plant is medium in size, with many branches; leaves small but abundant.

Oz. 90c; 1/4lb. \$3.00; lb. \$9.00

WISCONSIN 55. 75 days. Large-fruited, productive, second early Tomato. The scarlet-red fruit is slightly flattened to nearly globe shape. Thick walls and firm, meaty flesh; small seed cavity. Vines are medium large and spreading, with fair foliage cover.

Oz. 95c; 1/4lb. \$3.00; lb. \$9.00

PRITCHARD or SCARLET TOPPER. Certified. 75 days. The splendid, globe-shaped, smooth fruits grow to a good size and attain an attractive bright red color. Flesh firm, mild flavored, free from acidity, with no core and small seed cavity. Wilt resistant.

Oz. 70c; 1/4lb. \$2.25; lb. \$7.00



TOMATO, Marglobe

GLAMOUR. 75 days. A midseason variety which produces CRACK-RESISTANT fruit. The Tomatoes are flattened globe shape, smooth, and mature from a pale green to a bright red color. They ripen slowly and hold up well. The hardy plants bear good-sized fruit up to the last picking.

Oz. \$1.00; 1/4lb. \$3.25; lb. \$10.00

MANALUCIE. 85 days. A very heavy yielder of firm, medium large, glossy bright scarlet fruit of deep globular shape. Very few seeds. Plant is vigorous, with large leaves, and wide spread. Widely used for a main crop. Resistant to fusarium-wilt.

Oz. 75c; 1/4lb. \$2.50; lb. \$8.00

CAMPBELL 146. Certified. Selected and grown originally for the canner trade, this variety has proved to be a heavy producer of medium-sized, firm red fruit for a main crop. Very hardy and resistant to diseases.

Oz. 75c; 1/4lb. \$2.50; lb. \$7.50

DWARF STONE. 81 days. The best of the dwarf Tomatoes. Fruits large, smooth, very solid, of a deep scarlet color.

Oz. 90c; 1/4lb. \$2.70; lb. \$8.00

PONDEROSA. 85 days. A large, large, solid, purple-fruited Tomato with few seeds and no acid.

Oz. 95c; 1/4lb. \$3.00; lb. \$9.50

BEEFSTEAK (Red Ponderosa). 90 days. A wilt-resistant, large variety for home and market-garden use. Heavy plant, open in habit of growth. The fruit is large, flat, scarlet, rather smooth.

Oz. 90c; 1/4lb. \$3.00; lb. \$9.00

OXHEART. 90 days. An attractive pink-skinned variety, exceedingly smooth and tender and almost seedless. It has that delicious mild flavor. A late variety.

Oz. \$1.30; 1/4lb. \$4.00; lb. \$12.50

CLIMBING TRIP-L CROP. A climbing variety with vines growing rapidly, 10 to 18 feet high. Large crimson fruit, solid and meaty. Heavy producer.

1/2oz. 85c; oz. \$1.50; 1/4lb. \$4.50

SAN MARZANO. Italian Paste Tomato. Used for preserves.

Oz. \$1.00; 1/4lb. \$3.50; lb. \$10.00

SMALL-FRUITED TOMATOES. Used for pickles, preserves, canning, etc. Easily grown and yields well. **Yellow Plum, Yellow Pear, and Red Cherry.**

Any of the three varieties: 1/4oz. 50c; oz. \$1.50

Tomatoes For Forcing



TOMATO, Michigan-Ohio Hybrid

MICHIGAN STATE FORCING. 75 days. A favorite with commercial growers for both greenhouse forcing and outdoor market growing. Produces medium-sized fruit (4 to 5 ounces), set in clusters of 5 to 10 fruit at maturity. Deep red in color, very smooth and with small stem cavity.

Oz. \$1.90; 1/4lb. \$6.25; 1/2lb. \$10.25

SPARTAN RED 8. A new Tomato for greenhouse forcing, released from Michigan Agricultural Experiment Station. Its advantages are earliness, less cracking, closer spacing of clusters and uniform ripening. Suitable for either fall or spring crop. These desirable traits, together with its yielding ability, justify its introduction as a greenhouse Tomato. Supply limited.

Oz. \$3.00; 1/4lb. \$6.25

TUCKCROSS "O" F₁ HYBRID. 70 days. Uniform, large, globe-shaped fruits of good scarlet-red color. Very meaty, with a mild flavor and excellent quality. Resistant to leaf mold and fusarium wilt. This is an early forcing type similar to Valiant in maturity, which sets fruit well under adverse conditions. Highly recommended as a large-fruited greenhouse variety. Developed at the Missouri Experiment Station. A little earlier than Michigan-Ohio Hybrid.

1/16oz. \$2.25; 1/8oz. \$4.00; 1/4oz. \$7.50; 1/2oz. \$14.50; oz. \$27.00



TOMATO, Burpee's Big Boy® Giant Hybrid

MICHIGAN-OHIO HYBRID. A new F₁ Tomato for greenhouse production. Proved and tested by Dr. S. H. Wettwer of Michigan State University to be superior to other varieties commonly grown in the Midwest and Canada. The plant is large, vigorous and indeterminate, being easily pruned and trained to a single stalk. Because of its prolific fruiting on the lower clusters, this hybrid demands abundant water and nutrient supply after the first clusters have set fruit so that it may continue production at a high level. Red, globular, uniform fruit of excellent quality, with good interior color and thick outer walls. It is highly resistant to fusarium wilt.

1/32oz. (approx. 250 seeds) \$3.00; 1/16oz. (approx. 500 seeds) \$6.00; 1/8oz. (approx. 1000 seeds) \$10.00; 1/4oz. \$15.00; 1/2oz. \$27.50; oz. \$50.00. SEED CROP FAILURE

MICHIGAN-OHIO HYBRID. (California-grown.) The same original parents are used in this California-grown seed crop by a reliable grower and hybridizer of Tomato F₁ varieties. **Recommended by Successful Growers**
1/16oz. \$2.40; 1/8oz. \$4.50; 1/4oz. \$8.50; oz. \$30.00

Special F₁ Hybrids

Recommended for outside growing

F₁ HYBRID EARLY GIANT. 60 days from transplanting. Fruits are largest of the early hybrids, deep globe shape, with thick walls and excellent interior, free of hard core and of fine flavor. In northern areas Early Giant is earlier than Early Chatham and is very productive. Widely adaptable and should be used where size and earliness are important.

1/32oz. (about 250 seeds) \$1.50; 1/16oz. \$2.85; 1/8oz. \$4.50; 1/4oz. \$8.00; oz. \$30.00

EARLY HY-CROSS HYBRID. 65 days. Earlier than Valiant or Earliana. Medium large, high quality fruit, very smooth, deep red in color. Recommended for central, eastern and northern United States and other areas with a short growing season.

1/32oz. (about 250 seeds) \$1.50; 1/16oz. \$2.85; 1/8oz. \$4.50; 1/4oz. \$8.00; oz. \$30.00

BURPEE'S BIG BOY® GIANT HYBRID. 78 days. Fruit exceptionally large, weighing a pound or more; firm, smooth, scarlet-red and fine flavored. Very popular for home use and market garden.

1/16oz. \$2.85; 1/8oz. \$4.00; 1/4oz. \$7.50; oz. \$27.00
® "Reg. T.M. of W. Atlee Burpee Co."

NEW WONDER BOY. 80 days. Extra large, round, firm and meaty. A midseason variety with heavy yield of excellent flavor and quality. The fruits weigh a pound or more and have a wonderful Tomato flavor.

1/16oz. \$2.85; 1/8oz. \$4.00; 1/4oz. \$7.50; 1/2oz. \$14.50; oz. \$27.00

FOREMOST E-21. 73 days. Crack resistant, large, deep scarlet. Plants vigorous and productive. An F₂ hybrid.
1/4oz. 80c; 1/2oz. \$1.25; oz. \$2.50; 1/4lb. \$9.00

Hormones

HORMEX. (Concentrate.)

Gold Label. \$1.39
Silver Label. 2.49

BLOSSOM-SET

4 ozs.75
1 pt. 1.75

BERRY-SET

12 ozs. (makes 48 gallons) 3.00

VITAMIN B-1

100 tablets69

ROOTONE

Reg. U.S. Pat. Off.

1/4oz. (400 cuttings) \$0.35
2 ozs. 1.25

ROOTONE No. 10. For woody cuttings.

2 ozs. 2.00

TRANSPLANTONE

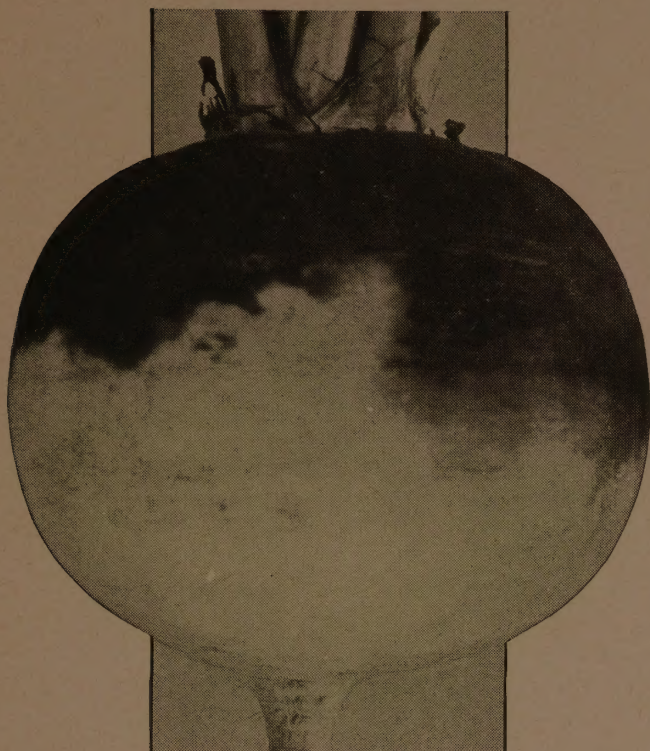
1/2oz.25
3 ozs. 1.00



NOTE: Seed items on this page are postpaid to the 4th postal zone ONLY. Please refer to page 3 for postage rates to zones 5, 6, 7 and 8.

Turnips

Cultural Directions. One ounce to 150 feet of drill; 1 pound per acre. For main crop, sow in July or August, either broadcast or in drills.



TURNIP, Purple Top White Globe

WHITE EGG. 53 days. The earliest all-white variety. Flesh is fine grained and of good quality. This old standard variety is still preferred as an early Turnip.

PURPLE TOP WHITE GLOBE. 55 days. Perfect globe shape. Flesh and skin white, colored purple or red above ground. Very fine grained and sweet. The most attractive Turnip and a best seller.

All of the above: Oz. 15c; ¼lb. 30c; lb. \$1.00, postpaid to the 4th zone ONLY. Please refer to page 3 for postal rates to zones 5, 6, 7 and 8.

GOLDEN BALL. 65 days. Tops small; roots medium size, round, smooth, deep yellow. Fine-grained flesh, firm, crisp and sweet.

COW CORN. 65 days. Roots long, slightly crooked; clear white. Often sown to plow under for fertilizer.

AMBER GLOBE. 75 days. A round, smooth, light yellow variety of medium size and good quality.

SNOWBALL. 40 days. Round, medium-sized, clear white roots, fine grained and of excellent flavor.

SEVEN TOP. 45 days. For Turnip greens. Extremely hardy foliage Turnip for table or forage use. Crown sends up numerous shoots which are excellent for greens.

PURPLE TOP STRAP LEAVED. 45 days. A very early, medium-sized, flat variety; purple or red above ground and white below.



TURNIP, Purple Top Strap Leaved

Aromatic, Medicinal and Pot Herbs

For early use, sow seed in hotbed or in open ground in May, in rows 1 foot apart. Cover very lightly and thin to 6 inches apart in the row. They should be cut on a dry day, just before they come into full blossom. Tie in bunches and keep where they will dry quickly.

h hardy; A annual; P perennial; B biennial

ANISE. (hA) 14 to 18 inches high. Seeds used for flavoring bread, cake, cookies and candy.

BALM. (hP) 1½ feet high. Leaves have a lemony, minty fragrance and give a fine flavor to fruit drinks.

BASIL (Sweet). (hA) 1 foot high. Spicy leaves with flower-like taste, delicious in green salads, tomato and cheese dishes and soups.

CARAWAY. (hB) 1 to 2 feet high. Seeds used for flavoring cake, cookies, bread, cheese and baked apples.

CELERIAC, Large Smooth Prague. 110 days. Turnip-rooted Celery.

Oz. 75c; ¼lb. \$2.35; lb. \$7.00

CHERVIL. (hA) 10 inches high. Leaves used like parsley, for flavoring and garnishing.

CHICORY. Used extensively for salads.

CHICORY (French Endive). Used extensively for salads.

CHIVES. See page 22.

DANDELION. (P) Low growing. Used for salads.

DILL. See page 17.

FLORENCE FENNEL. (A) 2½ feet high. Sweet. Fresh, tender stems eaten raw like celery or in salads.

HOREHOUND. (P) 14 inches high. Leaves and juice of flowering tops flavor cough syrups and candy.

HYSSOP. (hP) 1½ feet high. Often planted near bee hives to give a fine taste to honey.

LAVENDER. (P) 2 feet high. The dried flowers are used to scent linens.

MARJORAM, SWEET. (A) 2 feet high. Young, tender leaves good in salads and to flavor soups.

RUE. (hP) 16 inches to 2 feet high. Bitter herb to be used sparingly for seasoning.

SAFFRON. (hA) 1 to 3 feet high. The yellow, thistle-like flowers, picked while in full bloom, are used for coloring and flavoring.

SAGE. (P) 1 to 2 feet high. Most extensively used of any herb. Very aromatic. **Oz. \$1.00.**

SUMMER SAVORY. (hA) 8 to 10 inches high. Leaves and flowering tops are popular in dressings, boiled with peas and snap beans, used with other herbs in salads and as flavoring for many meat dishes.

THYME. (hP) 8 to 10 inches high. Sharp aromatic flavor, good in combination with other herbs in salads, sandwiches, etc.

WORMWOOD. (hP) 3 to 5 feet high. Next to Rue, the bitterest of all herbs. Chiefly used in medicines.

All of the above, unless otherwise priced, come in packets only at 15c per pkt.

PLANTERS GUIDE

A vital question that is frequently asked: How large is an acre of land? Let's answer it right here . . .

5 yards by 968 yards.
4840 square yards.
60 feet by 726 feet.
110 feet by 396 feet.

300 feet by 145.2 feet.
43,500 square feet.
From the above figures, you can figure any size piece of land.

Variety	Seed for 50 Feet	Seed for 1 Acre (Lbs.)	Rows Apart (Feet)	Plants Apart in Rows (Inches)	Planting Depth (Inches)	Days to Yield
Asparagus.....	½ oz. 30 plants	....	2½	20	6	2 yrs.
Beans, Bush.....	4 ozs.	60 to 75	2 to 2½	3 to 4	1½	50 to 70
Beans, Pole.....	4 ozs.	30 to 35	3 to 4	9 (or hills)	1½	65 to 80
Lima Beans, Bush.....	4 ozs.	30 to 50	2 to 2½	3 to 4	1½	65 to 75
Lima Beans, Pole.....	4 ozs.	30 to 40	3 to 4	9 (or hills)	1½	80 to 90
Beet.....	½ oz.	4 to 6	1½ to 2	3 to 4	½	60 to 75
Broccoli.....	1 pkt.	¼	2	18	¼	70 to 80
Brussels Sprouts.....	1 pkt.	¼	2	18	¼	70 and on
Cabbage, Early.....	1 pkt.	¼	2	12	¼	65 to 75
Cabbage, Late.....	1 pkt.	¼	2	18	¼	80 to 100
Chinese Cabbage.....	1 pkt.	2	2	12	¼	75 to 85
Carrot.....	1 pkt.	2 to 3	1½	3	¼	60 to 75
Cauliflower.....	1 pkt.	¼	2	18	¼	55 to 65
Celeriac.....	1 pkt.	¼	2	4	⅛	90 to 120
Celery.....	1 pkt.	¼	2 to 3	5	⅛	120 to 150
Swiss Chard.....	½ oz.	....	2	15	½	50 and on
Collards.....	1 pkt.	....	2½	24	¼	90 and on
Sweet Corn, Early.....	1 oz.	8 to 10	2½	9	1	70 to 80
Corn, Main Crop.....	1 oz.	8 to 10	3	12	1	80 to 95
Cucumber.....	1 pkt.	2	4	24	¾	60 to 70
Eggplant.....	1 pkt.	¼	3	30	½	70 to 85
Endive.....	1 pkt.	4 to 5	1½	9	¼	70 to 80
Kale.....	1 pkt.	4 to 5	2½	24	¼	70 to 80
Kohl-rabi.....	1 pkt.	4 to 5	2	8	¼	55 to 65
Leek.....	1 pkt.	3 to 4	1½	6	....	120 to 150
Lettuce, Leaf.....	1 pkt.	3	2	12	¼	45 to 50
Lettuce, Head.....	1 pkt.	3	2	12	¼	50 to 70
Muskmelon.....	1 pkt.	3 to 4	5	48	1	80 to 100
Mustard.....	1 pkt.	4	2	9	¼	60 to 75
Okra.....	½ oz.	8	3	15	1	50 to 60
Onion, Seed.....	1 pkt.	3 to 4	1½	3 to 4	½	90 to 100
Parsley.....	1 pkt.	4	1½	4	¼	85 to 100
Parsnip.....	1 pkt.	4	1½	4	½	80 to 100
Peas.....	½ lb.	90 to 180	2 to 3	1 to 2	1	60 to 80
Pepper.....	1 pkt.	¼	2½	24	....	65 to 80
Pumpkin.....	....	3 to 4	8	60	1	110 to 130
Radish.....	1 pkt.	10 to 12	1	1 to 2	½	25 and on
Rhubarb.....	10 plants	2 to 3 for plants	4	48	¼	2 to 3 yrs.
Salsify.....	1 pkt.	....	1½	2	¼	140 to 180
Spinach.....	1 pkt.	15 to 25	1½	6	¾	40 to 50
Spinach, New Zealand.....	1 pkt.	....	3	20	1	70 to 80
Squash, Bush.....	1 pkt.	6	4	36	1	55 to 65
Squash, Vining.....	1 pkt.	4	6	60	1	65 to 120
Tomato.....	1 pkt.	¼	3 to 4	36	½	75 to 90
Turnip.....	1 pkt.	2 to 3	1½	4 to 6	¼	50 to 80
Rutabaga.....	1 pkt.	1 to 2	2	6	¼	80 to 90
Watermelon.....	....	3 to 4	8	96	¾	75 to 95

NUMBER OF PLANTS TO THE ACRE AT GIVEN DISTANCES

Distance apart	No. plants	Distance apart	No. plants	Distance apart	No. plants
12 x 1 in.....	522,720	24 x 24 in.....	10,890	36 x 36 in.....	4,840
12 x 3 in.....	174,240	30 x 1 in.....	209,088	42 x 12 in.....	12,446
12 x 12 in.....	43,560	30 x 6 in.....	34,848	42 x 24 in.....	6,223
16 x 1 in.....	392,040	30 x 12 in.....	17,424	42 x 36 in.....	4,148
18 x 1 in.....	348,480	30 x 16 in.....	13,068	48 x 12 in.....	10,890
18 x 3 in.....	116,160	30 x 20 in.....	10,454	48 x 18 in.....	7,790
18 x 12 in.....	29,040	30 x 24 in.....	8,712	48 x 24 in.....	5,445
18 x 18 in.....	19,360	30 x 30 in.....	6,970	48 x 30 in.....	4,356
20 x 1 in.....	313,635	36 x 3 in.....	58,080	48 x 36 in.....	3,630
20 x 20 in.....	15,681	36 x 12 in.....	14,520	48 x 48 in.....	2,723
24 x 1 in.....	261,360	36 x 18 in.....	9,680	60 x 36 in.....	2,901
24 x 18 in.....	15,520	36 x 24 in.....	7,260	60 x 48 in.....	2,178

Approximate number of feet of row per acre at given distances:						
Distance between rows:	18 inches	24 inches	30 inches	36 inches	42 inches	48 inches
Feet of row:	29,010	21,758	17,427	14,526	12,439	10,853



FLOWER SEEDS

General Cultural Directions and Suggestions

Annuals . . .

Annual flowers are those which are grown from seed and which bloom in one growing season.

Some are started indoors during the late winter and early spring months for transplanting into the open after danger of frost has passed.

Suggested preparations for inside growing of these seedlings are as follows: In seed boxes or other containers, 2 inches deep, place 1 inch of rough material such as peat moss or vermiculite, to insure drainage. Next, make a 1-inch layer of finely sifted top soil or a combination of leaf mold, sand and compost. Press into a firm bed and keep well moistened for 24 hours.

Sowing the seed will vary somewhat with the various annuals. Very fine seed such as Petunias, Ageratum, Alyssum, etc., may be mixed with clear sand and scattered broadcast over the surface of the prepared soil. Cover lightly with fine soil, approximately $\frac{1}{8}$ inch, and press firmly; then sprinkle lightly. Afford

light and sufficient ventilation to keep down the percentage of damping off. Hold soil temperature at 70 degrees for two or three days to a week, and after the seedlings appear, maintain an even temperature at 65 degrees.

When the young seedlings are about $\frac{3}{4}$ inch high or more, transplant carefully to other boxes of similarly prepared soil. Place them about 1 inch apart each way. It may be necessary to provide some protection from direct sun; do not let the seed or seedlings suffer from lack of moisture.

About a week before transplanting outside, harden off the plants by taking the boxes outdoors for the daytime hours. Cover or protect them at night during this period before transplanting to the open ground.

Many annuals can be sown direct in the outside beds after danger of frost is past. Some annuals are classed as hardy and reseed from year to year. Be careful not to sow any seed too deep. The finer seed requires less covering than the coarse.

**AGERATUM, Midget Blue**

ABBREVIATIONS: (A) annual; (B) biennial; (P) perennial. Number of seeds per ounce under all items is approximate.

ABRONIA (Sand Verbena). (A) Pkt. 25c.

Ageratum (FLOSSFLOWER) (A)

(214,000 seeds per oz.)

One of the best summer-blooming plants. They are rapid growers and early, continuous bloomers.

BLUE CAP SELECTED. 6 inches. Definitely more dwarf and compact in habit, with small leaves. Bright, deep, rich lavender-blue. $\frac{1}{4}$ oz. \$1.20; oz. \$3.60.

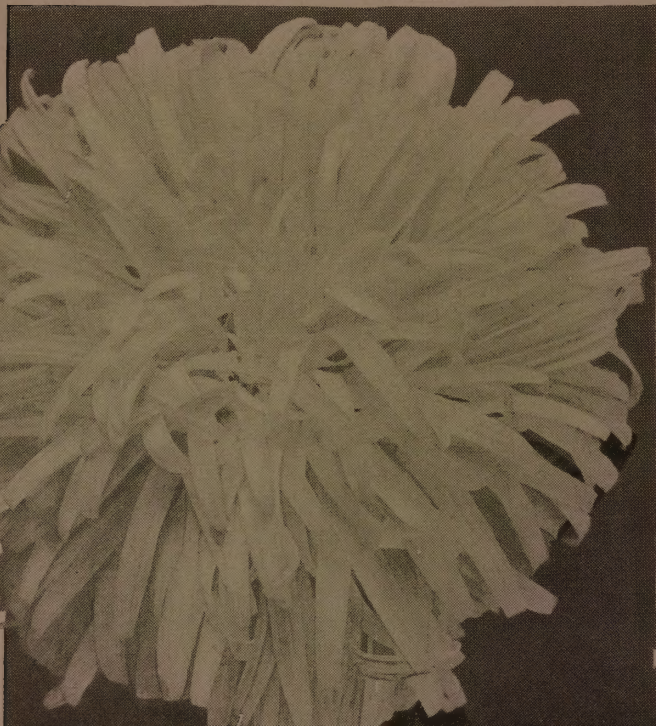
MIDGET BLUE. Dwarf, compact, rich blue. $\frac{1}{8}$ oz. 80c; $\frac{1}{4}$ oz. \$1.35; oz. \$4.50.

DWARF GIANT BLUE TETRA (Blue Mink). This new tetraploid Ageratum bears giant trusses of fluffy powder-blue flowers on strong, husky plants. Plants grow 5 or 6 inches; they are upright, yet compact and even in habit. Ideal for pots, edging or borders. $\frac{1}{8}$ oz. 80c; $\frac{1}{4}$ oz. \$1.35; oz. \$4.50.

BLUE BEDDER. 4 inches. Deep lavender-blue. A delightful edger. Pkt. 25c; $\frac{1}{8}$ oz. 80c; $\frac{1}{4}$ oz. \$1.35; oz. \$4.50.

FAIRY PINK. 4 inches. Large, dark green leaves, smothered with small feathery, soft salmon-rose-pink flowers. $\frac{1}{8}$ oz. 80c; $\frac{1}{4}$ oz. \$1.35; oz. \$4.50.

ASTER, Giant Crego



Alyssum (SWEET ALYSSUM) (A)

(60,000 seeds per oz.)

Very popular border flower. Dwarf habit, blooming until killed by frost. Fine for beds, borders and vases.

LITTLE GEM. 4 inches. Small white flowers. Good for narrow edging. $\frac{1}{4}$ oz. 30c; oz. \$1.00.

VIOLET QUEEN. 6 inches. Large heads of clear violet flowers. $\frac{1}{4}$ oz. 40c; oz. \$1.50.

CARPET OF SNOW. 4 inches. Dainty pure white. Very free blooming. $\frac{1}{4}$ oz. 35c; oz. \$1.25.

ROSIE O'DAY. Silver Medal Winner for 1961. Developed by Ferry-Morse Seed Co. A dwarf compact plant 3 to 4 inches high and 10 inches in diameter. Blooms early and remains a deep rose-pink throughout entire blooming season. $\frac{1}{8}$ oz. \$1.75; $\frac{1}{4}$ oz. \$2.50; oz. \$7.00.

PROCUMBENS, ROYAL CARPET. The spreading, compact habit and rich violet-purple color are excellent with Carpet of Snow. Height 3 inches; spread 12 inches. $\frac{1}{4}$ oz. 90c; oz. \$2.50.

Alyssum (P)

SAXATILE COMPACTUM (Basket of Gold). 9 inches high. Masses of golden flowers very early. A rock-garden favorite. $\frac{1}{4}$ oz. 40c; oz. \$1.25.

**ALYSSUM, Royal Carpet**

Wilt-Resistant Asters (A)

(12,000 seeds per oz.)

GIANT CREGO. The flowers are of immense size, usually from 4 to 5 inches in diameter, and borne on stems 12 inches or more in length. **Mixed Colors.** $\frac{1}{4}$ oz. 50c; oz. \$1.80; 4 ozs. \$5.75.

QUEEN OF THE MARKET. Best early Aster, usually in full bloom two weeks before most others begin to blossom. Graceful spreading habit. **Mixed, All Colors.** See color illustration on back cover. $\frac{1}{4}$ oz. 50c; oz. \$1.75; 4 ozs. \$5.25.

EARLY BEAUTY. Early flowering. **Mixed Colors.** $\frac{1}{4}$ oz. \$1.00; oz. \$3.00.

HEART OF FRANCE. Dark ruby-red variety. Beautiful large double flowers. A most outstanding Aster. $\frac{1}{4}$ oz. 80c; oz. \$2.50; 4 ozs. \$7.50.

POWDERPUFFS. (NEW.) A mixture of all colors, including shell-pink, azure; lavender and various blues as well as many other colors. A new bouquet type with 2-foot V-shaped plants, a foot across, topped with 15 to 20 fully double puffball cut flowers. $\frac{1}{4}$ oz. \$1.00; oz. \$3.00; 4 ozs. \$10.50.

AMERICAN BRANCHING GIANT. **Mixed Colors.** $\frac{1}{4}$ oz. 50c; oz. \$1.75.

DOUBLE AMERICAN BRANCHING. **Mixed. Pkt. 15c.**



PORTULACA, DOUBLE

Always a popular annual because of its many rose-like, double flowers in a wide range of attractive colors. This is a very hardy annual which usually does well in rather poor soil and locations where other annuals do not thrive so well. Listed on page 49.



PETUNIA, PEACH SATIN

This is another of the popular Satin Petunias. The color is coral to salmon-pink. Very dwarf, blooming freely throughout the growing season. Listed on page 46.



COLEUS, RAINBOW MIXTURE

◀ Coleus is THE outstanding annual foliage plant. We offer the best strains of the large and small-leaf types in the choicest shades. Greenhouse-grown seed. Refer to page 40 for description and prices.

PETUNIA, RED SATIN

This choice red Petunia, with large, scarlet flowers with yellow throat, is desirable and very popular. Holds its color in heat and sunshine. Very dwarf and compact. Listed on page 46.

MARIGOLD COLOR MAGIC

Color Magic is a special Marigold with large double flowers on dwarf plants. The colors and bicolors are most attractive. Widely used in annual gardens where color and hardiness are a "must." See page 44.





PETUNIA, CHERRY TART

Cherry Tart was introduced in 1961. Its reception has been sensational. Cherry-Tart has gay rose and white variegated blooms on compact plants. Its masses of color recommend it for use in planters, window boxes. See page 46.

PETUNIA, CARNIVAL

Deluxe Mixture

An improved Carnival F₂ with a wide color range of inherited colors including white, pink, rose, blue, orchid, lots of red, salmon, and variegated bicolors. See page 47.



PETUNIA, SUGAR PLUM

A bright orchid-pink Multiflora F₁ Hybrid with penciled and shaded orchid-purple veins. Free flowering under all conditions. Sturdy, compact, globe-shaped plants. See page 45.



PETUNIA, CALYPSO

Introduced in 1961 after patient breeding and selection for a red and white variegated Grandiflora F₁ Hybrid. Huge 3 to 3½-inch flowers are freely produced on the dwarf, vigorous, compact plant. See page 45.



PETUNIA, CORAL SATIN

Since its introduction into the Satin series this coral-pink Grandiflora F₁ has proved to be in a class by itself in this very popular color. The large blooms are borne on sturdy, dwarf plants. See page 46.

Grand Rapids Growers Offer Low-Cost, Colorful

Beauty with Petunias

PETUNIA, COLORAMA F₂ HYBRID MIXED

A colorful blend in Multiflora F₂ breeding from the best F₁ Hybrid colors. This reasonably priced mixture of Hybrid F₂ is rapidly replacing the old Nana Compacta mixture. See page 47.



PETUNIA, SNOW LADY

One of the earliest white Petunias to flower. It's a large fringed Grandiflora of purest white. Dwarf plant that grows and blooms with great vigor. One of the best whites ever introduced. See page 46.



PETUNIA, MAYTIME

An All-America Winner in 1958 and one of the best light salmon-pink 100% Grandifloras today. Blooms are 3½ to 4 inches across and are very freely produced. Very uniform in growth, compact and vigorous. See page 45.



CELOSIA, RED

We offer two dwarf red varieties in the Cristata Dwarf Empress and the new Kardinal; also in the Plumosa Dwarf Fiery Feathered and the taller Plumosa Forest Fire. See page 40.



PETUNIA, SNOW CAP IMPROVED

One of the best Grandiflora F₁ Hybrid white Petunias and the earliest to bloom. The sturdy, dwarf plants produce large, pure white blooms in abundance throughout the growing season. Excellent for beds, pots and borders and popular for flat sales. See page 46.

MARIGOLD, BUTTERBALL

One of the charming Dwarf French Double Marigolds. Soft butter-yellow petals with wine-colored tips. See page 44.



PHLOX, TWINKLE

This dwarf Phlox blooms profusely, with star-like flowers that "twinkle." Its many rich, attractive color combinations and its low-growing habit make Twinkle a leader in border plants. Usually in bloom at flat sale time. See page 49.

BABY'S BREATH (*Gypsophila*). (A) Large flowering; pure white. Pkt. 25c.

BACHELOR BUTTON (*Centaurea Cyanus*). (A) Mixed. Pkt. 25c.

Jubilee Gem. Vivid dark blue. Pkt. 25c.

Red Boy. Glowing red. Pkt. 25c.

Balsam (LADY SLIPPER) (A)

(2400 seeds per oz.)

DOUBLE CAMELLIA-FLOWERED MIXED. An old favorite garden flower, producing gorgeous masses of beautiful double flowers throughout the season. $\frac{1}{4}$ oz. 30c; oz. 90c; 4 ozs. \$2.50.

Dwarf Bush Balsam (A)

A pretty bouquet of double, rose-like blooms above the foliage. In separate colors and mixed.

CINNABAR (brilliant red); **ROSE; WHITE REFLECTED ROSE; WHITE; SCARLET; TORCH** (dwarf vermilion-red).

Any of above, $\frac{1}{4}$ oz. 75c; oz. \$2.00; 4 ozs. \$6.25

SPECIAL MIXTURE. All of the above colors in a well-balanced mixture. $\frac{1}{4}$ oz. 75c; oz. \$1.75; 4 ozs. \$5.75.



BALSAM, Dwarf Bush

New Dwarf Balsam

EXTRA DWARF TOM THUMB. Definitely dwarfier and more top flowering. Flowers are larger than old types, of good double form. Includes new colors such as purple-red, blush-pink, carmine and pure white. Oz. \$4.00; 4 ozs. \$13.75.

BELLS OF IRELAND. (A) 7000 seeds per ounce. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell-shaped calyx is green and delicately veined, containing the white corolla. $\frac{1}{16}$ oz. 30c; $\frac{1}{4}$ oz. 75c; oz. \$2.00.

BLUE LACE FLOWER (*Didiscus caerulea*). (A) Blue. Pkt. 15c.

Calendula (POT MARIGOLD) (A)

(15,000 seeds per oz.)

ORANGE KING. Outer petals slightly imbricated, center ones curved like those of a peony. Color glowing orange. $\frac{1}{4}$ oz. 30c; oz. \$1.00; 4 ozs. \$2.50.

BALL'S GOLD. Fine stems and immense double flowers of brilliant glistening orange. $\frac{1}{4}$ oz. 30c; oz. \$1.00; 4 ozs. \$2.50.

SUNSHINE. Buttercup-yellow. Pkt. 15c.

Canterbury Bells (CAMPANULA) (B)

(125,000 seeds per oz.)

CALYCANTHEMA (Cup and Saucer), Double Mixed. 2 feet. June to August. $\frac{1}{4}$ oz. 50c; oz. \$1.40.



CANDYTUFT, Giant Hyacinth-flowered

Candytuft (A)

(10,000 seeds per oz.)

UMBELLATA, DWARF FAIRY MIXED. A color range of crimson, flesh, lilac, rose and white. $\frac{1}{4}$ oz. 25c; oz. 80c.

GIANT HYACINTH-FLOWERED, WHITE PINNACLE. Bouquet type. Grows 2 feet tall, with large, pure white spikes. Excellent for cutting. $\frac{1}{4}$ oz. 35c; oz. \$1.00.

Carnations

(15,000 seeds per oz.)

MARGUERITE, DOUBLE MIXED. (B) $\frac{1}{4}$ oz. 75c; oz. \$2.25; 4 ozs. \$6.50.

CHABAUD GIANT MIXED. (P) $\frac{1}{4}$ oz. 75c; oz. \$2.50; 4 ozs. \$8.00.

GRENADIN. (P) Dwarf, 15 inches. Choice mixture. Early Vienna type. Nice range of colors. $\frac{1}{8}$ oz. 65c; $\frac{1}{4}$ oz. \$1.25; oz. \$4.00.

GRENADIN, SCARLET. (P) Dwarf, 15 inches. Cardinal-red. Oz. \$4.00; 4 ozs. \$11.50.

CARDINAL CLIMBER. (A) Pkt. 25c.

CARNATIONS, Marguerite, Double Mixed



**CELOSIA CRISTATA, Toreador****CLEOME, Giant Pink Queen****DAHLIA, Unwins Dwarf Hybrida****Castor Bean (RICINUS) (A)**

(30 seeds per oz.)

Decorative plant with fern-like foliage, giving fine sub-tropical effect. Even a single plant forms a pyramid of leaves.

ZANZIBARENSIS. Leaves vary in color from light green to purplish red. **Oz. 40c; 1/4lb. \$1.25; lb. \$4.25.**

CENTAUREA IMPERIALIS (Sweet Sultan). (A) Pkt. 25c.

CHINESE FORGET-ME-NOT, Firmament. (A) Pkt. 25c.

CLARKIA, Double Mixed. (A) Pkt. 25c.

Cleome (SPIDERFLOWER) (A)

(125,000 seeds per oz.)

GIANT PINK QUEEN. Large pink heads. **1/8oz. 35c; 1/4oz. 55c; oz. \$1.65.**

Celosia (COCKSCOMB) (A)

(30,000 seeds per oz.)

See color illustration on page 38

CRISTATA, KARDINAL. 8 inches. Red combs, large and very uniform. Green foliage. **1/8oz. \$1.25; 1/4oz. \$2.00; oz. \$6.50.**

CRISTATA, EMPRESS. 12 inches. Crimson combs; dark foliage. **1/8oz. 40c; 1/4oz. 75c; oz. \$2.25.**

CRISTATA, TOREADOR. 16 inches. Bright red, with light green foliage. **1/16oz. 55c; 1/8oz. \$1.00; 1/4oz. \$1.65; oz. \$5.00.**

PLUMOSA, GOLDEN FLEECE. Clear golden yellow, feathery spikes carried on good stems, giving a magnificent airy appearance. A new GIANT Plumosa type which should be excellent for pots and garden use. **1/8oz. 65c; 1/4oz. 95c; oz. \$3.00.**

PLUMOSA, FOREST FIRE. 2 1/2 feet. Long plumes of fiery scarlet-orange against a background of bronze-red foliage. **1/8oz. 55c; 1/4oz. 90c; oz. \$3.00.**

PLUMOSA, DWARF FIERY FEATHERED. 12 inches. A standard variety. **1/8oz. 40c; 1/4oz. 75c; oz. \$2.00.**

PLUMOSA, FEATHERED, MIXED (Pampas Plume). Pkt. 25c.

Coleus (FOLIAGE PLANTS) (A)

(3500 seeds per 1/32oz.)

LARGE-LEAVED FORMULA MIX. **1/32oz. \$2.00; 1/16oz. \$3.75; 1/8oz. \$6.50.**

BALL RAINBOW MIXED. Grown in Ball greenhouses. **1/32oz. \$5.25; 1/16oz. \$9.60; 1/8oz. \$17.00.**

BALL STRAIGHT COLOR MIX. **1/64oz. \$3.30; 1/32oz. \$6.00; 1/16oz. \$11.00.**

RAINBOW MIXTURE—GREENHOUSE GROWN. This seed will increase the brilliance of color and have a greater percentage of brighter shades. See color illustration on page 35. **1/32oz. \$1.75; 1/16oz. \$2.50; 1/8oz. \$4.50; 1/4oz. \$8.00.**

COLUMBINE, Mrs. Scott Elliott. (P) Pkt. 25c.

CYPRESS VINE. (A) Pkt. 25c.

DIMORPHOTHECA (African Daisy). (A) 6 to 8 inches. Glistening white. 1/4oz. 90c; oz. \$3.00.

Cosmos (A)

SENSATION MIXED. The most satisfactory Cosmos to grow for cut-flower purposes. Extra large flowered, extra early. **1/4oz. 40c; oz. \$1.25.**

DAHLIA (A)

UNWIN'S DWARF HYBRIDS. **1/4oz. 60c; oz. \$2.00; 4 ozs. \$6.00.**

DELPHINIUM (P)
(PERENNIAL LARKSPUR)
(10,000 seeds per oz.)

PACIFIC GIANT HYBRIDS. 5 feet tall. Heavy spikes. The plants are 60 to 65% mildew resistant. Flowers are immense, tightly set on straight stems. They do not shatter and are fine for cutting. In separate colors and mixed.

BLACK KNIGHT. Very dark blue.

BLUE BIRD. Clear medium blue, white bee.

BLUE JAY. Medium blue with black bee.

CAMELIARD. Pure lavender.

GALAHAD. Huge clear white.

GUINEVERE. Light pinkish lavender with white bee.

KING ARTHUR. Royal violet with white bee.

PERCIVAL. Pure white with contrasting black bee.

SUMMER SKIES. Light blue with white bee.

Any of above, 1/8oz. \$2.00; 1/4oz. \$3.75; oz. \$12.00

PACIFIC HYBRIDS MIXED COLORS. 1/8oz. \$1.70; 1/4oz. \$3.25; oz. \$10.00.



FORGET-ME-NOT (Myosotis)

English Daisy
(BELLIS PERENNIS) (P)
(12,500 seeds per oz.)

A favorite low-growing, spring-flowering plant. Loves a shady place and rich soil. 6 to 8 inches. Double choice mixture. **Pkt. 15c; 1/8oz. 75c; 1/4oz. \$1.25; oz. \$3.75.**

Dianthus
(ANNUAL PINK) (A)

BRAVO. 1962 All-America Winner. Bright scarlet-red in color. Blooms slightly fringed, 1 1/2 to 2 inches in diameter. Dwarf, compact, 8-inch plants bloom all summer into fall. 1/16oz. \$1.25; 1/8oz. \$2.00; 1/4oz. \$3.75.

Forget-Me-Not
(MYOSOTIS) (B)
(42,000 seeds per oz.)

Among the best spring flowers. They prefer moist, cool soil, and will bloom freely in fall and early spring.

VICTORIA, Indigo-Blue. 8 inches.

VICTORIA, Sky-Blue. 8 inches.

VICTORIA, White. Dwarf.

VICTORIA ROSEA. Pink.

Any of above, **Pkt. 15c; 1/8oz. 75c; 1/4oz. \$1.25; oz. \$3.75**

Four O'clock
(MIRABILIS) (A)
(350 seeds per oz.)

MARVEL OF PERU. Mixed colors. **Oz. 40c; 1/4lb. \$1.30.**

FOXGLOVE (Digitalis). (B) **Pkt. 25c.**

GEUM. (P) Double scarlet. **Pkt. 25c.**



GOURDS

DELPHINIUM, Pacific Giant Hybrids



GOURDS (A)

LARGE MIXED.	}	1/4oz. 30c; oz. 80c.
SMALL ORNAMENTAL MIXED.		
SMALL ORANGE.		
SMALL WARTED.		
BI-COLORED PEAR.		

HELIOTROPE. (A) Dark varieties mixed. **Pkt. 25c.**

HESPERIS (Sweet Rocket) (P) Purple or white. **Pkt. 25c.**

HIBISCUS. (P) **Pkt. 25c.**



IMPATIENS

HELICHRYSUM

(STRAWFLOWER) (A)

(36,000 seeds per oz.)

Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place.

MIXED, ALL COLORS. 1/4oz. 50c; oz. \$1.40; 4 ozs. \$4.25.

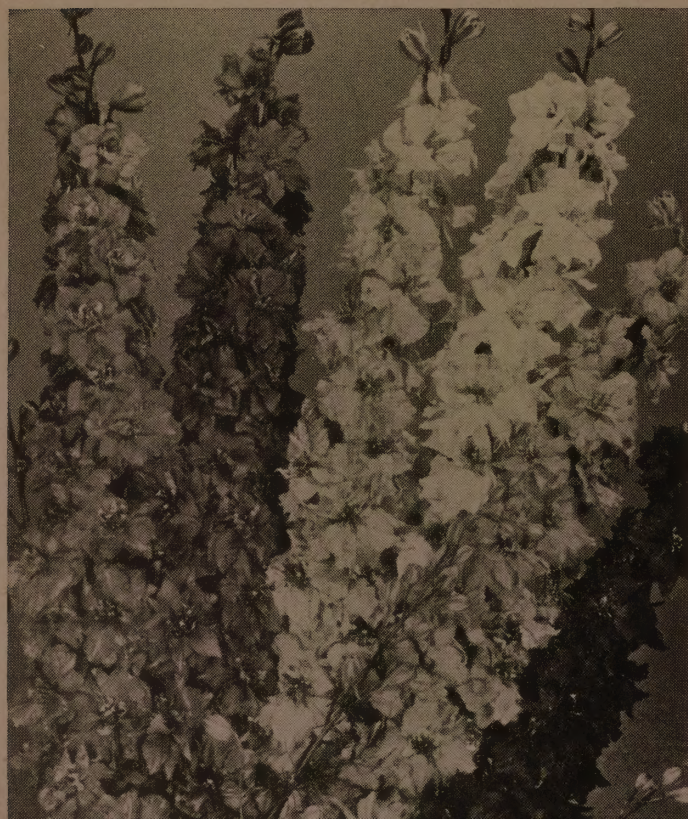
Hollyhocks

DOUBLE MIXED. (P) Double and semi-double. Pkt. 15c; 1/4oz. 75c.

INDIAN SPRING. (A) Pkt. 25c.

ICELAND POPPY, Gartford Mixed. (P) Pkt. 25c.

LANTANA. (A) Pkt. 25c.

LARKSPUR, Giant Imperial Mixed**IMPATIENS (A)**

(20,000 seeds per oz.)

An easily grown annual recommended for bedding. Does well under shady conditions. Blooms heavily from midsummer until killing frost. Excellent for potting.

NEW BABY IMPATIENS. Orange Baby, Rose Baby (Bright rose), Scarlet Baby, Lucifer (Cinnabar-red), Symphony (White).

New Baby Formula Mixed.

Any of above, 1/32oz. \$3.50; 1/16oz. \$6.00; 1/8oz. \$11.00

**SALMON JEWEL RED JEWEL ROYAL JEWEL
PINK SPRITE PIXIE WHITE**

Any of above, 1/64oz. \$4.35; 1/32oz. \$7.50; 1/16oz. \$13.50

BEAUTY OF KLETTGAU. Dwarf, 6 inches. Brilliant fire-scarlet-red, changing to deep salmon-orange. 1/32oz. \$2.50; 1/16oz. \$4.00.

NANA CARMINE. Dwarf, 6 inches. 1/32oz. \$2.50; 1/16oz. \$4.00.

DWARF VARIETIES, CHOICE MIXED. 6 inches. An excellent mixture of many shades. Flowers abundantly. 1/32oz. \$2.50; 1/16oz. \$4.00.



HELICHRYSUM, Mixed

Kochia

(MEXICAN FIRE BUSH) (A)

The light green, pyramidal, 2 1/2 to 3-foot bushes, close and compact, turn beautiful deep red in autumn. 1/4oz. 20c; oz. 60c.

Larkspur (A)

(8700 seeds per oz.)

The graceful spikes of bloom are much valued for cutting. They continue to flower over a long period.

GIANT IMPERIAL MIXED. 3 feet. Derives its name from the striking resemblance of the flowers to the Double Hyacinth. Delicate colors. 1/4oz. 45c; 1/2oz. 85c; oz. \$1.50; 4 ozs. \$4.50.

MAJESTIC ROSE-PINK. Pkt. 25c.

SUPER MAJESTIC MIXED. Pkt. 15c.

Lobelia (A)

(700,000 seeds per oz.)

COMPACTA, CRYSTAL PALACE. A fine variety, producing 4-inch plants with dark bronzy green foliage and dark blue flowers. 1/16oz. 35c; 1/4oz. \$1.00.

LAVENDER. (P) Pkt. 25c.

LUNARIA BIENNIS. (B) Pkt. 25c.

LUPIN, Mixed. (P) Pkt. 25c.

Marigolds (TAGETES) (A)

(10,000 seeds per oz.)

SPUN GOLD. All-America Selection for 1960. Extreme earliness, long season, abundance of bloom, uniformity in height, plant habit and flower form, as well as the bright display of color, all combine to make this new Marigold a popular garden variety. $\frac{1}{4}$ oz. \$1.75; $\frac{1}{2}$ oz. \$3.00; oz. \$5.25; 4 ozs. \$17.50

Cupid

A group with odorless foliage and dwarf, compact habit. Good-sized flowers, chrysanthemum-like in form, completely cover the 6-inch plant. Recommended for edging, borders, pots and combinations.

CUPID YELLOW (Primrose) CUPID GOLDEN CUPID ORANGE

CUPID MIXED. A good range of colors.

Any of above, $\frac{1}{8}$ oz. 70c; $\frac{1}{4}$ oz. \$1.25; oz. \$4.00

Carnation-flowered

Loosely petaled flowers, 3 inches or more across, borne on plants generally 2 to 2½ feet high.

GUINEA GOLD. 2 to 2½ feet. An unusual type, orange flushed with gold. Nearly all flowers are double or semi-double, and their odor is less pungent than that of other Marigolds. $\frac{1}{4}$ oz. 40c; oz. \$1.00; 4 ozs. \$3.25.

YELLOW SUPREME. A large, fluffy, well-rounded bloom of delicate milk-honey fragrance, with broad, loose, frilled petals of rich creamy lemon color. Plants practically free from objectionable Marigold odor. $\frac{1}{4}$ oz. 50c; oz. \$1.50; 4 ozs. \$4.50.



MARIGOLD, Crackerjack

Giant-flowered

Strong plants, 3½ feet tall, bearing huge, ruffled, tightly petaled blooms like peonies. The largest of all Marigolds.

CRACKERJACK. Earlier than Sunset Giants. Flowers uniform, 4 to 5 inches across, on compact, sturdy plants 2 to 2½ feet tall. A blend of primrose, yellow, gold and orange. $\frac{1}{4}$ oz. 65c; oz. \$1.75; 4 ozs. \$6.50.

SUNSET GIANTS. Discontinued. Crackerjack is far superior.

MAMMOTH MUM. Tall, strong plants bearing 3½-inch, light yellow flowers on excellent stems. A florist's favorite. $\frac{1}{4}$ oz. 65c; oz. \$1.75; 4 ozs. \$6.50.

HARMONY FRENCH, TALLER TYPE. 2½ feet. Scabious-like flowers of deep orange, with maroon collars of broad petals and crested centers. $\frac{1}{4}$ oz. 50c; oz. \$1.50; 4 ozs. \$4.50.



MARIGOLD, Glitters

Chrysanthemum-flowered

GLITTERS. 3 feet. The 3-inch, shaggy chrysanthemum-like flowers of this All-America winner are a bright canary-yellow, abundantly produced on long strong stems. $\frac{1}{4}$ oz. 75c; oz. \$2.00; 4 ozs. \$6.00.

Dwarf French Single Types

FLASH. Single mahogany flowers with golden yellow margins on medium dwarf plants. $\frac{1}{4}$ oz. 35c; oz. \$1.00; 4 ozs. \$3.25.

NAUGHTY MARIETTA. Uniform, semi-dwarf, bushy plants, vigorous and free blooming. Bears 2-inch flowers of rich golden yellow, each petal having a mahogany base. $\frac{1}{4}$ oz. 40c; oz. \$1.25; 4 ozs. \$4.00.

DAINTY MARIETTA. The blooms are much larger than might be expected on such dwarf, compact plants. They average 2 inches across. Soft golden yellow with a maroon blotch at the base of each petal. Freedom of bloom as well as earliness makes it valuable for the flat grower as well as a good combination and pot-plant item. $\frac{1}{4}$ oz. 40c; oz. \$1.25; 4 ozs. \$4.00.

RED HEAD. Flowers 2 inches across, opening rich mahogany, changing to auburn and later to bronzy gold. Compact, dwarf plants, 1 foot high, completely covered with flowers. $\frac{1}{4}$ oz. 75c; oz. \$1.75.

MARIGOLD, Naughty Marietta





MARIGOLD, Petite Mixture

MARIGOLDS—Continued

MEXICAN MARIGOLD, URSULA (Signata Pumila). A free-flowering strain with $\frac{7}{8}$ -inch florets of a bright golden orange with a brighter orange zone and eye. $\frac{1}{4}$ oz. 50c; oz. \$1.50; 4 ozs. \$4.50.

LULU (Signata Pumila). Very compact, dome-shaped plant; 7 inches tall with a spread of 12 inches. Completely covered with dainty single florets in a pleasing shade of bright canary-yellow without zone but with a small eye that is a trifle darker. $\frac{1}{4}$ oz. 50c; oz. \$1.50; 4 ozs. \$4.50.

EXTRA DWARF FRENCH DOUBLE TYPES

PARISIAN HYBRIDS. (NEW.) A distinctly new and sensational strain with all of the colors and hues known to Marigolds, in hundreds of new color combinations on a rich green background. This strain is early, free flowering and semi-double. The blooms are tightly packed, averaging better than 2 inches across. $\frac{1}{4}$ oz. 50c; oz. \$1.50; 4 ozs. \$4.50.

SPRY. 9 inches. Very early flowering; double. Clear yellow crested centers surrounded by mahogany-red guard petals. $\frac{1}{4}$ oz. 50c; oz. \$1.60; 4 ozs. \$5.00.

BUTTERBALL. Light butter-yellow petals with wine-reddish tips. 6 to 8 inches. See color illustration on page 38.

SUNKIST. Orange. Dwarf, compact, early.

DOUBLE DWARF FRENCH. Special Mixture including Spry, Butterball, Sunkist, etc.

SCARLET GLOW. The brightest red Marigold.

EXTRA DWARF HARMONY (Midget Harmony). Same color as Spry, but dwarf in habit. 6 inches.

COLOR MAGIC. Brilliant colors of red to pure gold, with many varied and striped combinations of these colors. Full double. Plant dwarf and compact. 6 inches. See color illustration on page 35.

RUSTY RED (Fandango). Large, fully double flowers 2 inches and more across, of rich rusty red, edged golden yellow. Flowers borne in great profusion well above dwarf, bushy plants from early summer to late fall.

TANGERINE. Orange companion to Rusty Red or Fandango. 12 to 14 inches.

LEMON DROP. Early, profuse-blooming, compact, 9-inch plants covered with fully double, canary-yellow flowers. Seedling plants bloom in the flats for sales appeal.

Any of above, $\frac{1}{4}$ oz. 50c; oz. \$1.50; 4 ozs. \$5.00

PETITE MARIGOLDS**Dwarf French Double—1958 All-America Winners**

An abundance of very early blooms on compact plants, 6 inches tall and 10 inches wide. Five popular colors listed below and a special formula mixture. See color illustration on inside back cover.

PETITE SPRY. Yellow crest on maroon guard petals.

PETITE HARMONY. Orange crest on mahogany guard petals.

PETITE GOLD. Soft golden.

PETITE YELLOW. Butter-yellow.

PETITE ORANGE. Deep orange.

PETITE MIXTURE. Well-balanced formula blend of the above colors.

Any of above, $\frac{1}{4}$ oz. 75c; oz. \$2.00; 4 ozs. \$6.00

Morning-Glory (IPOMOEA) (A)

(200 seeds per oz.)

COMMON MIXED. $\frac{1}{4}$ oz. 25c; oz. 75c; 4 ozs. \$2.25.

HEAVENLY BLUE. $\frac{1}{4}$ oz. 35c; oz. \$1.00; 4 ozs. \$2.50.

Nasturtium (A)

DWARF, MIXED. Oz. 35c; 4 ozs. \$1.00.

TALL TRAILING, SINGLE MIXED. Oz. 35c; 4 ozs. \$1.00.

SCARLET GLEAM. Plain petaled and deep throated. This is a fiery scarlet, sweet-scented variety similar to Golden Gleam. Oz. 35c; 4 ozs. \$1.00.

GOLDEN GLEAM. An attractive, double, golden yellow, sweet-scented variety adapted for bedding, pot plants and cut flowers. Oz. 35c; 4 ozs. \$1.00.

DOUBLE GLORIOUS GLEAM HYBRIDS. A double-flowering array of large, well-formed blooms of dazzling beauty. An unusual color range and variation. Oz. 45c; 4 ozs. \$1.50.

Nemesia (A)

(90,000 seeds per oz.)

TRIUMPH MIXED. Dwarf, compact, 8-inch plants with brilliant orchid-like flowers. $\frac{1}{16}$ oz. 45c; $\frac{1}{4}$ oz. \$1.35; oz. \$4.00.

Nierembergia

(BLUE CUP FLOWER) (P)

(5000 seeds per $\frac{1}{32}$ oz.)

PURPLE ROBE. Deep violet-purple. Dwarf, compact plants blooming over a long season. Excellent for dwarf perennial borders and rock gardens. $\frac{1}{64}$ oz. \$1.00; $\frac{1}{32}$ oz. \$1.50; $\frac{1}{16}$ oz. \$2.50.

Nicotiana

SWEET-SCENTED FLOWERING TOBACCO (A)

(275,000 seeds per oz.)

DAYLIGHT. Extra sweet scented, pure white. Plants bushy. 20 inches.

AFFINIS. 3 feet. White.

CRIMSON BEDDER. Dwarf pyramidal plant, 32 inches tall. Deep crimson flowers.

Any of above, $\frac{1}{4}$ oz. 55c; oz. \$1.65

NASTURTIUM, Double Glorious Gleam Hybrids



Petunias (A)

For Bedding and Pots
(250,000 seeds per oz.)

Grandiflora Single F₁ Hybrid Varieties

Large Single Dwarf Fringed
(6000 seeds per 1/64 oz.)

- BALLERINA.** Glowing salmon.
BLACK MAGIC. Deep violet-purple.
BLUE BELL. Mid-blue.
BLUE LACE. Orchid-blue.
BLUE MAGIC. Medium deep violet-blue.
CALYPSO. Red and white variegated. Large blooms. Very popular. See color illustration on page 37.
CAVALIER. Rose and white variegated.
CHIFFON. Clear light pink.
CRUSADER. Striped rose-pink on white. Companion to Calypso.
FIRE DANCE. Deep scarlet-red, gold throat.
LA PALOMA. Large, well-filled, fringed flowers, 100% large flowering. Pure white with yellow throat.
LAVENDER LACE. Bright rosy orchid-lavender.
MAESTRO. Bright cerise-rose-red with magnificent yellow throat.
MATADOR. Mahogany-red King Henry color. Rich bedding show when planted with white.
MAYTIME. Clear light salmon-pink. See color illustration on page 37.
PINK MAGIC. Smooth bright pink. A beauty.
PRIMA DONNA IMPROVED. Bright rose-pink.
SABRE DANCE. Huge, bright crimson and white flowers, mostly with star pattern.
TANGO. Deep scarlet-salmon.
TOREADOR. Crimson-red.
WHITE MAGIC. Early, large, ruffled, pure white.
BALLET MIXTURE. A choice formula mixture of the best color combinations of the Grandiflora F₁ Hybrid varieties. Well balanced.
Any of above F₁ Grandiflora Petunias, Tr. pkt. (1/256oz.) \$2.50; 1/128oz. \$4.35; 1/64oz. \$8.30; 1/32oz. \$15.25; 1/16oz. \$26.75; 1/8oz. \$50.00

PETUNIA, Ballerina



→
**PETUNIA,
Paleface**



**PETUNIA,
Sioux**
↓



Multiflora F₁ Hybrid Varieties for Bedding

These choice Multiflora hybrids have proved their value as dwarf compact Petunias of true color, which do not fade during the summer heat. They are single, plain edged and sharp in their respective colors. Plants usually range from 12 to 18 inches, with a spread of 20 to 26 inches. They are uniform and compact, blooming profusely. Recommended for bedding, borders and pots.

- AZTEC.** Scarlet-red with gold throat.
BLUE RIBBON. Deep violet-blue, blooming freely on dwarf, vigorous plants. One of the best blues on the market.
CHEROKEE. Deep rose flowers, 2 1/2 inches in diameter. Dwarf, compact plants, early and free flowering.
COMANCHE. (New Improved.) Deep scarlet-red. A tremendous leader in the red Petunia field. See color illustration on inside back cover.
COMET. Bright crimson-red with white star.
INCA. Deep rose-red with gold throat.
LINDA. Clear light salmon-pink.
MARS. Crimson-red.
MERCURY. Popular light blue. Nearest to a true blue.
MINSTREL. Large ruffled flowers in various combinations of white and rich violet-blue.
NEPTUNE. Medium violet-blue.
PALEFACE. Pure white.
ROSE CHARM. Clear rich rose.
SATELLITE. Bright rose with perfect white star.
SIOUX. Medium salmon.
SUGAR PLUM. Small flowers of bright orchid with deeper wine-red veins freely produced on dwarf, compact plants. Charmingly different. See color illustration on page 36.
VENUS. Bright celestial rose-pink.
POW-WOW MIXTURE. A well-balanced formula mixture selected for color attraction from the above Multifloras.

Any of above, Tr. pkt. (1000 seeds) \$1.50; 1/128oz. \$2.75; 1/64oz. \$4.75; 1/32oz. \$8.50; 1/16oz. \$16.00; 1/8oz. \$30.00

PETUNIAS—Continued



PETUNIA, America Improved

Multiflora Double Petunias F₁ Hybrids

AMERICA IMPROVED. This small all-double is rich rose-pink. Very free flowering.

CARDINAL RICHES. (NEW.) Every grower should have this new red double.

CHERRY TART. Introduced in 1961. Gay rose and white variegated, similar to Crusader. Very free flowering. See color illustration on page 36.

Any of above, Tr. pkt. \$2.50; 1/128oz. \$4.35; 1/64oz. \$8.30; 1/32oz. \$15.25; 1/16oz. \$26.75; 1/8oz. \$50.00

SATIN SERIES

(F₁ Hybrids)

See color illustrations on pages 35 and 37

DAWN SATIN. (NEW.) Large, light pink blooms.

CORAL SATIN. Coral-rose. Dwarf, compact. Very much in demand.

Either of above, 1/128oz. \$3.75; 1/64oz. \$7.00; 1/32oz. \$13.00; 1/16oz. \$25.00; 1/8oz. \$48.00

PEACH SATIN. Coral to salmon-pink.

PINK SATIN. Brilliant rose-pink.

RED SATIN. Heat and sunshine do not fade these scarlet-red flowers with yellow throat. Blooms 2½ to 3 inches across. The dwarf, compact plant has a 28-inch spread and produces 25 to 30 blooms. Most plant growers use this one.

WHITE SATIN. A pure white with crepe-like petals. Earliest to bloom; neat, low, mound-like, Satin plants. A favorite with commercial growers.

Any of above, Tr. pkt. \$2.50; 1/128oz. \$3.50; 1/64oz. \$6.50; 1/32oz. \$11.50; 1/16oz. \$21.50; 1/8oz. \$39.50

LUSTRE SERIES

(Grandiflora F₁ Hybrids)

BLUE LUSTRE. A deep velvety blue. Plants 12 inches high, with wide spread.

ROSE LUSTRE. Brilliant dazzling rose, waved and fringed; yellow-veined throat.

SALMON LUSTRE. Light salmon. Massive blooms growing on very dwarf, compact plants.

SCARLET LUSTRE. Brilliant scarlet-red flowers with yellow throat. Waved and slightly ruffled.

Any of above, 1/128oz. \$5.50; 1/64oz. \$8.75; 1/32oz. \$16.00

CHOICE JAPANESE IMPORTED PETUNIAS

(Grandiflora F₁ Hybrids)

BLUE MANTLE. Rich velvety violet-blue color. Plant is uniform, dwarf and compact in growth habit. Large flowers, beautifully waved.

EXQUISITE. Dwarf, large-flowering variety of scarlet and white. The contrasting color is exceedingly regular, and the flower is semi-fringed.

MINSTREL. Beautiful field of white marked with rich blue; very uniform in its marking. Flowers are 3 inches across. Dwarf, compact plants.

PSYCHE. Steel-blue with veins.

RED ENSIGN. (NEW.) Deep bright red.

SNOW CAP. Improved. Pure white, large flowers. Dwarf and vigorous in growth. One of the best large whites.

SNOW LADY. A well-fringed, pure white flower on a vigorous, dwarf, compact plant. One of the earliest to flower. See color illustration on page 37.

Any of above, 1/128oz. \$3.25; 1/64oz. \$5.50; 1/32oz. \$9.50; 1/16oz. \$16.00; 1/8oz. \$30.00

BONFIRE. Dazzling, brilliant deep salmon-scarlet with golden throat. The 3-inch blooms are borne in great profusion on a dwarf, compact plant. Very early flowering.

FAIRYLAND. Large flowers, 3 inches across, beautiful light salmon-pink in color. Compact plant, 8 inches high.

FIRE GLEAM. Large fringed flowers, measuring 3 to 3½ inches in diameter. Medium salmon.

FLIRT. Flowers are clear pink, 3 inches across. Dwarf compact plant. 9 inches tall.

PINK CHARM. Carmine-rose, 3-inch flowers. Dwarf compact plants not more than 8 inches tall.

Any of above, 1/128oz. \$2.50; 1/64oz. \$4.25; 1/32oz. \$7.25; 1/16oz. \$13.50; 1/8oz. \$25.00

GLITTERS. F₁ Multiflora. The first red and white bicolored Petunia. Only 8 inches high, a showy dwarf bedder and edger. Blooms are about 2 inches across. See color illustration on inside back cover.
1/128oz. \$3.25; 1/64oz. \$6.00; 1/32oz. \$11.00; 1/16oz. \$20.00.



PETUNIA, Bonfire

GIANT VICTORIOUS ALL-DOUBLE

WHITE SWAN. Large double white.
BLUE MONARCH IMPROVED. Solid blue.
CHEERFUL. Salmon-pink.
PURPLE QUEEN. Bluish purple.
SALMON.

Any of above, 1/128oz. \$6.00; 1/64oz. \$11.50; 1/32oz. \$20.00; 1/16oz. \$38.00

ALL-DOUBLE GIANT VICTORIOUS FORMULA MIX. 1/128oz. \$6.00; 1/64oz. \$10.00; 1/32oz. \$18.50; 1/16oz. \$35.00.

Double Ruffled Petunias

BALL'S CANADIAN ALL-DOUBLE LARGE FLOWERING. All-Double Formula Mixture. Made of the various All-Double varieties now available, to which have been added separate colors in the right proportion. 1/2tr. pkt. \$2.50; tr. pkt. \$4.00; 1/128oz. \$7.60; 1/64oz. \$14.45; 1/32oz. \$28.00.

Pan-American All-Double Petunias

ALLEGRO. Bright deep salmon flowers, 3 1/2 to 4 inches across, fully fringed and double. Plant dwarf, strong and vigorous. Free base branching. 12 inches.

CAPRICE. Bright rose color. Other characteristics same as Allegro.

LYRIC. Dwarf Grandiflora all-double. Color is salmon-pink, like Maytime. Blooms are 3 to 3 1/2 inches in diameter. Plants dwarf and compact.

MINUET. Orchid-lavender flowers, some variegated. Semi-tall, about 18 inches. Suggest pinching for more dwarfness and better branching. Nearly 100% Grandiflora. Flowers 3 1/2 to 4 inches, well fringed.

NOCTURNE. Midnight-violet-purple. Medium to large. 3 to 3 1/2-inch flowers, fringed and fully double. Not 100% Grandiflora. Plant medium dwarf, 15 inches, for garden bedding and pots.

PRESTO. The newest in double ruffled Petunias—an improvement over Gaiety. Rose and white variegated, like the Crusader color combination, but the flower is fully double and ruffled, 4 inches in diameter. Plant is dwarf, vigorous, and excellent for potting and combination plantings.

RHAPSODY. Burgundy-wine-purple. 100% Grandiflora. Blooms 3 1/2 to 4 inches across, fully fringed, full double. Plant dwarf and compact, free base branching, 12 inches tall.

SONATA. Pure white. 100% Grandiflora. Deeply fringed and fully double. Plant medium dwarf, 18 inches tall.

Any of above, Tr. pkt. \$4.00; 1/128oz. \$7.25; 1/64oz. \$14.00; 1/32oz. \$26.50; 1/16oz. \$50.00

PETUNIA, Lyric



**PETUNIA,
Caprice**



**PETUNIAS,
Giants of
California,
Super
Dwarfs,
Extra
Choice
Mixed**

GLORIOUS ALL-DOUBLE MIXTURE. This is one of the best formula mixtures. 25% Allegro, bright deep salmon; 35% Caprice, bright rose; 25% Sonata, double white; 10% Rhapsody, burgundy-wine-purple; 5% Minuet, orchid-lavender; 5% Nocturne, deep violet-purple. Plants are dwarf, 12 inches high with a 24-inch spread. Excellent for pot culture and planter boxes. Used widely in beds and borders. Tr. pkt. \$4.00; 1/128oz. \$7.25; 1/64oz. \$13.50; 1/32oz. \$25.50; 1/16oz. \$48.50.

Giants of California

SUPER DWARFS, EXTRA CHOICE BLEND. Giant flowers on plants having the ultimate in dwarf habit. Bred strictly for pots and combinations. Many bicolors. Very low percentage of small flowers. 1/16oz. \$7.00; 1/8oz. \$11.50; 1/4oz. \$20.00; oz. \$75.00.

New F₂ Hybrid Mixtures

COLORAMA NANA COMPACTA. Mixed colors. Uniform plant habit, using for planting stock only those F₁ varieties that have proved to be uniform in height and plant spread in the F₂ generation and that reproduce uniformly large blooms. 2 1/2 to 3 inches across. See color illustration on page 36. 1/8oz. \$1.60; 1/4oz. \$2.75; oz. \$9.00.

CARNIVAL DE LUXE MIXTURE. A NEW improved high-quality F₂ mixture with a high percentage of Grandiflora blooms in a complete color range, at less than F₁ prices. See color illustration on page 36. 1/32oz. \$6.00; 1/16oz. \$9.00; 1/8oz. \$14.00; 1/4oz. \$25.00.

CARNIVAL REGULAR MIXTURE. 1/32oz. \$3.00; 1/16oz. \$4.50; 1/8oz. \$7.00; 1/4oz. \$12.50.

CONFETTI. Multiflora F₂ Hybrid Mixture. Over 20 separate colors and bicolors, retaining their sharp color throughout the growing season. 1/16oz. \$1.00; 1/8oz. \$1.75; 1/4oz. \$3.00; oz. \$10.00.



↑
PETUNIA,
Elk's Pride



→
PETUNIA,
Popcorn

Large Plain-Edged Petunias

Grandiflora Single Plain Edged

Free-flowering, 12 to 16-inch plants; some varieties spreading, others compact. Many plain-edged flowers of heavy substance and velvety texture. Prime favorite of florists.

ELK'S PRIDE. Darkest velvety purple.

ROYALTY. Rich purple with white star.

SNOWSTORM IMPROVED. Best florist white; yellow-shaded throat.

WHITE CLOUD. Pure white, compact.

Any of above, $\frac{1}{32}$ oz. \$2.75; $\frac{1}{16}$ oz. \$4.50; $\frac{1}{8}$ oz. \$8.00; $\frac{1}{4}$ oz. \$15.00

Large Fringed Type

Grandiflora Single Fringed

12 to 16 inches tall

FRINGED SNOWSTORM. Excellent white, compact. $\frac{1}{16}$ oz. \$4.50; $\frac{1}{8}$ oz. \$8.50; $\frac{1}{4}$ oz. \$15.00.

BINGO. Huge flowers, 3 to 5 inches in diameter. Beautiful color, richly variegated wine-red and white. Excellent for boxes and beds. $\frac{1}{64}$ oz. \$4.50; $\frac{1}{32}$ oz. \$8.00; $\frac{1}{16}$ oz. \$14.00; $\frac{1}{8}$ oz. \$25.00; $\frac{1}{4}$ oz. \$45.00.

Grandiflora Nana Compacta

KING HENRY. Velvety red. Large flowers; 8-inch plants. $\frac{1}{32}$ oz. \$1.40; $\frac{1}{16}$ oz. \$2.50; $\frac{1}{8}$ oz. \$4.50; $\frac{1}{4}$ oz. \$8.00.

POPCORN. Pure white, single, plain edge. Large blooms, early in the season. Plant dwarf and compact. $\frac{1}{32}$ oz. \$2.75; $\frac{1}{16}$ oz. \$4.50; $\frac{1}{8}$ oz. \$8.50; $\frac{1}{4}$ oz. \$15.00.

VELVET BALL. Round, compact, ball-shaped, 8-inch plants. Velvety red blooms. $\frac{1}{32}$ oz. \$1.40; $\frac{1}{16}$ oz. \$2.50; $\frac{1}{8}$ oz. \$4.50; $\frac{1}{4}$ oz. \$8.00.

PETUNIAS, Continued

Hybrida Nana Compacta

Dwarf, compact, free-flowering, 12 to 14-inch plants, bearing many medium-sized, plain-edged, single flowers. For beds and borders.

ADMIRAL. Re-selected. The best dwarf clear blue Petunia of good size. An even, compact grower. $\frac{1}{16}$ oz. \$3.65; $\frac{1}{8}$ oz. \$6.50; $\frac{1}{4}$ oz. \$11.00.

ALDERMAN (Blue Ball). Medium-sized flowers of deep violet-blue. Fine for pot plants and bedding. $\frac{1}{8}$ oz. 85c; $\frac{1}{4}$ oz. \$1.50; oz. \$5.50.

BLUE BIRD or VIOLACEA. Very deep violet. 12 inches tall. $\frac{1}{16}$ oz. 50c; $\frac{1}{8}$ oz. 85c; $\frac{1}{4}$ oz. \$1.25; oz. \$4.00.

BLUE BEDDER. Mid-blue. $\frac{1}{8}$ oz. 75c; $\frac{1}{4}$ oz. \$1.25; oz. \$4.00.

CELESTIAL ROSE IMPROVED. Deep rose, compact. $\frac{1}{16}$ oz. 60c; $\frac{1}{8}$ oz. 90c; $\frac{1}{4}$ oz. \$1.40; oz. \$4.50.

LIPSTICK. Carmine-rose with just a suggestion of salmon. Very true to color and habit. $\frac{1}{8}$ oz. \$1.25; $\frac{1}{4}$ oz. \$2.00; oz. \$7.50.

ROSY MORN IMPROVED. Rose with white throat. Dwarf, extra select stock. $\frac{1}{16}$ oz. 60c; $\frac{1}{8}$ oz. 90c; $\frac{1}{4}$ oz. \$1.40; oz. \$4.50.

ROSE OF HEAVEN. Brilliant rose. Dwarf, extra select stock. $\frac{1}{16}$ oz. 60c; $\frac{1}{8}$ oz. 90c; $\frac{1}{4}$ oz. \$1.40; oz. \$4.50.

SNOWBALL IMPROVED. An excellent pure white. $\frac{1}{8}$ oz. 90c; $\frac{1}{4}$ oz. \$1.60; oz. \$5.00.

TWINKLES. Masses of small, bright rose flowers with white star. $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.75; oz. \$5.50.

ELK'S STAR. Blue-purple flower, uniformly marked. $\frac{1}{16}$ oz. \$1.50; $\frac{1}{8}$ oz. \$2.25; $\frac{1}{4}$ oz. \$4.00.

FIRE CHIEF. Brilliant scarlet-red. Plant dwarf. $\frac{1}{16}$ oz. \$1.00; $\frac{1}{8}$ oz. \$1.75; $\frac{1}{4}$ oz. \$3.00; oz. \$10.00.

GLOW. The richest red, small-flowering Petunia. A dwarf, bushy plant covered with 2½-inch flowers of dazzling carmine-red. $\frac{1}{32}$ oz. 60c; $\frac{1}{16}$ oz. 90c; $\frac{1}{8}$ oz. \$1.50; $\frac{1}{4}$ oz. \$2.50.

EXTRA CHOICE MIXTURE. Composed of Violacea, Celestial Rose Improved, Rosy Morn, Rose of Heaven, Blue Bedder, Snowball Improved, Fire Chief, Lipstick, Alderman, and Glow. $\frac{1}{8}$ oz. \$1.25; $\frac{1}{4}$ oz. \$2.00; oz. \$7.00.



←
PETUNIA,
Fire Chief

→
PETUNIA,
Glow



Pansies (A)

(12,000 seeds per oz.)

Seeds may be sown in August and seedlings transplanted in beds, with a mulch protection from extreme freezing. Pansies are also started inside early in the spring and then transplanted to open ground. They bloom early in spring and continue throughout the summer. They do best in cool shade or semi-shade.

SUPER SWISS GIANTS. This mixture combines the finest selections of several Pansy specialists. The perfect blending is further insured by the addition of separate colors that do not generally appear in average mixtures. $\frac{1}{8}$ oz. \$1.75; $\frac{1}{4}$ oz. \$2.75; oz. \$10.00.

SUPER MAPLE LEAF MIXTURE, CANADIAN GIANTS. Maple Leaf Giants have large leaves of a rich dark green and flowers of gigantic size and heavy substance, with good stems, in a beautiful color range. Plants of compact, sturdy growth. $\frac{1}{8}$ oz. \$1.75; $\frac{1}{4}$ oz. \$2.75; oz. \$9.00; 4 ozs. \$35.00.

Pinks (DIANTHUS) (A)

(28,000 seeds per oz.)

SINGLE GAIETY (Heddewigi laciniatus). Combines all the brightest shades of the single flowers. $\frac{1}{4}$ oz. 50c; oz. \$1.50.

Double Gaiety (Heddewigi laciniatus). Dwarf, compact plants, 10 to 12 inches tall. Laciniated petals. Carnation shades, mixed. $\frac{1}{4}$ oz. 50c; oz. \$1.50.

Poppies (A)

(73,000 seeds per oz.)

Should be sown as early in the spring as possible, where they are to remain, for they will not stand transplanting. Sow very thinly; they must not stand closer than 5 or 6 inches if you wish best results.

SHIRLEY, SINGLE MIXED. Dainty shades, many edged and shaded with other colors. $\frac{1}{4}$ oz. 25c; oz. 75c.

SHIRLEY, DOUBLE MIXED. Beautiful double, satiny flowers in shades of white, pink and old rose with white centers. $\frac{1}{4}$ oz. 25c; oz. 75c.

DOUBLE SHIRLEY, SWEET BRIAR. Wild-rose-pink. Pkt. 25c.

CALIFORNIA POPPY (Eschscholtzia). Low spreading. Gay colors. $\frac{1}{4}$ oz. 25c; oz. 75c.

AMERICAN LEGION. Orange-scarlet. Pkt. 25c.

Scarlet Runner (A)

(30 seeds per oz.)

A very rapid-growing vine bearing sprays of bright scarlet, pea-like flowers from early summer to late fall. Oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.20.

PORTULACA, Best Double Mixture**PANSIES, Super Swiss Giants****Phlox Drummondii (A)**

(18,000 seeds per oz.)

GRANDIFLORA MIXED. 12 inches. Unsurpassed for variety of color. $\frac{1}{4}$ oz. 60c; oz. \$2.00.

NANA COMPACTA—Dwarf Varieties

DWARF GLOBE MIXED. A well-balanced mixture in a full range of brilliant colors. Plant very even, 7 inches tall. $\frac{1}{16}$ oz. 70c; $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.85; oz. \$5.50.

DWARF BEAUTY MIXED or CECILY. This strain is 10 inches tall, with large bright flowers in a color range of blue, crimson, mauve, pink, salmon, scarlet, violet and white. For pot culture, beds and borders. $\frac{1}{8}$ oz. 85c; $\frac{1}{4}$ oz. \$1.25; oz. \$3.50.

DWARF TWINKLE. The flowers of this dwarf beauty are like tiny stars, in charming color combinations and contrasts. Plants are neat, dwarf, 8 inches high. Popular in borders and beds. See color illustration on page 38. $\frac{1}{8}$ oz. 85c; $\frac{1}{4}$ oz. \$1.25; oz. \$4.00.

SCARLET, LARGE FLOWERING. Pkt. 25c.

Portulaca (ROSE MOSS) (A)

(300,000 seeds per oz.)

Will grow and bloom profusely in dry, hot situations where almost any other plant would soon die. Easily transplanted. In sowing, mix the seed with dry sand to insure even distribution. Sow in May when the ground is thoroughly warm, and soon the loveliest of floral carpets will appear.

BEST DOUBLE MIXTURE. See color illustration on page 35. Pkt. 15c; $\frac{1}{4}$ oz. \$1.00; oz. \$3.25; 4 ozs. \$11.00.

Pyrethrum (PAINTED DAISY) (P)

One of the most valuable of our early summer flowers. Charming colors and wonderful lasting properties when cut. Flowers in May and June, frequently in August and September; all shades of rose and pink. Height 1 to 2 feet.

ROSEUM. Single mixed. Pkt. 25c; $\frac{1}{4}$ oz. \$1.50; oz. \$5.00.

ROSEUM. Double mixed. Pkt. 25c; $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.75; oz. \$5.50.

Scabiosa

(MOURNING BRIDE) (A)

(3500 seeds per oz.)

GRANDIFLORA MIXED. Our latest special mixture with delicate soft colors admired by all. $\frac{1}{4}$ oz. 45c; oz. \$1.35.

OXFORD BLUE. Pkt. 25c.

CAUCASICA. Lavender-blue. Pkt. 50c.



→
SALVIA
splendens

← **SALVIA farinacea**



Salvia (FLOWERING SAGE) (A)

(7500 seeds per oz.)

A hedge or bed of Salvia is a blaze of color during late summer and fall. Bloom spikes continue until killed by hard frosts. Seed should be started indoors. Sow about $\frac{1}{4}$ inch deep. Transplant outdoors when soil is well warmed, about 12 to 18 inches apart. See color illustration on inside back cover.

AMERICA (Globe of Fire). 16 inches tall. Early. $\frac{1}{4}$ oz. \$1.50; oz. \$4.00; 4 ozs. \$12.50.

BLAZE OF FIRE. 14 inches. Bright scarlet. Earliest of all. $\frac{1}{4}$ oz. \$1.50; oz. \$5.00; 4 ozs. \$18.50.

BONFIRE. About 18 inches tall, compact, early. $\frac{1}{4}$ oz. \$1.50; oz. \$4.50; 4 ozs. \$15.00.

FARINACEA, Blue Bedder. Deep blue. 3 feet tall. $\frac{1}{4}$ oz. \$1.25; oz. \$4.00.

FIREWORKS. 10 inches tall. An improvements on St. John's Fire. $\frac{1}{4}$ oz. \$1.50; oz. \$5.00; 4 ozs. \$18.50.

SALVIA SPLENDENS. About 2½ feet tall. The standard late tall scarlet. $\frac{1}{4}$ oz. \$1.25; oz. \$4.00; 4 ozs. \$12.50.

ST. JOHN'S FIRE. 10 inches. Extra early, bright scarlet, uniform and compact. An excellent strain. $\frac{1}{4}$ oz. \$1.50; oz. \$5.00; 4 ozs. \$18.50.

IMPORTED SALVIA SEED

SALVIA SPLENDENS. 2½ feet. $\frac{1}{2}$ oz. \$1.00; oz. \$1.75; 4 ozs. \$6.00.

CLARA BEDMAN or BONFIRE. 18 inches. $\frac{1}{2}$ oz. \$1.00; oz. \$1.75; 4 ozs. \$6.00.

AMERICA (Globe of Fire). 16 inches. $\frac{1}{2}$ oz. \$1.50; oz. \$2.50; 4 ozs. \$8.00.

FIRE BALL. 16 inches. Early. $\frac{1}{2}$ oz. \$1.00; oz. \$1.75; 4 ozs. \$6.00.

ST. JOHN'S FIRE. 10 inches. $\frac{1}{4}$ oz. \$1.50; oz. \$5.00; 4 ozs. \$18.50.

EXTRA DWARF SCARLET PYGMY (Dwarf Fireball or Scarlet Piccolo). A new, very compact and well-branched variety blooming as early as St. John's Fire. 7 to 8 inches. Especially good for early pots and flats. $\frac{1}{2}$ oz. \$3.50; oz. \$6.50; 4 ozs. \$24.00.

Stocks (A)

(19,000 seeds per oz.)

NEW TRYSONIC GIANT IMPERIAL. Double flowering. 2½ feet tall. $\frac{1}{32}$ oz. 90c; $\frac{1}{16}$ oz. \$1.50; $\frac{1}{8}$ oz. \$2.60.

DWARF LARGE FLOWERING, TEN WEEKS. Favorite for bedding. Grows about 1 foot high. Mixed, all colors. $\frac{1}{4}$ oz. 60c; oz. \$1.85; 4 ozs. \$5.50.

BLOOD-RED. Ten Weeks Stocks. $\frac{1}{4}$ oz. 75c; oz. \$1.95; 4 ozs. \$6.00.

MAMMOTH DOUBLE BEAUTY OF NICE. Just as early as the Dwarf Ten Weeks variety, forming plants pyramidal in shape. Height 18 inches. $\frac{1}{4}$ oz. 50c; oz. \$1.65; 4 ozs. \$5.00.

Rustproof Snapdragon

(ANTIRRHINUM) (A)

(220,000 seeds per oz.)

HYBRID GARDEN SNAPDRAGONS

SPRITE HYBRIDS F₁ NANUM. (NEW). Here they are! A genuine semi-dwarf Snapdragon, uniform in height and color and with a capacity to bloom that is amazing. 14 to 18 inches tall, depending on locality. Colorful spikes are usually large enough to use as cut flowers. Five choice colors: **CHERRY SPRITE, CRIMSON SPRITE, SCARLET SPRITE, WHITE SPRITE, YELLOW SPRITE, FORMULA BLEND OR UNITED SPRITE.**

Any of above, Tr. pkt. \$2.00; $\frac{1}{4}$ oz. \$3.75

ROCKET F₁ HYBRID. The first F₁ Hybrid Snapdragon. Height 30 to 36 inches. Bred for heat resistance and summer bloom. Sow early and set early for best results. Mixed colors: red, golden, white, bronze and orchid. $\frac{1}{32}$ oz. \$9.00; $\frac{1}{16}$ oz. \$17.00; $\frac{1}{8}$ oz. \$32.00.

PANORAMA. 2½ feet tall. This F₂ Snapdragon is a great favorite as an outdoor cutting Snap. It has a wide color range. Beautiful 8 to 10-inch spikes, borne on plants which are compact and sturdy in growth. Heat resistant. See color illustration on back cover. $\frac{1}{8}$ oz. \$1.00; $\frac{1}{4}$ oz. \$1.85; oz. \$6.50.

COLOSSAL STRAIN. Tremendous vigor that produces strong, 2½-foot stems filled with very large florets even under adverse conditions. Velvet Giant (a deep velvet-red) and Crimson (fiery crimson) have been added to the mixture for darker shades. All colors blended. $\frac{1}{4}$ oz. \$1.25; oz. \$4.00.

TETRAPLOID SUPERFINE MIXTURE (Tetra Snap). The most satisfactory outdoor Snapdragon offered today. Plants tall, husky and erect, with huge ruffled florets and long spikes. The outstanding variety for plant growers. $\frac{1}{4}$ oz. \$1.50; oz. \$4.50.

GIANT RUFFLED TETRA, CRIMSON. Large, deep, but bright velvety flowers closely set on long, broad, tapering spikes. Dark green, thick-textured foliage. $\frac{1}{8}$ oz. \$1.85; $\frac{1}{4}$ oz. \$3.00; oz. \$10.00.

CRIMSON. Maximum size 2½ feet. Color fiery crimson. $\frac{1}{4}$ oz. \$1.50; oz. \$4.50.

VELVET GIANTS. Deep velvet-red. Not a Tetra, but looks like one. Tremendous size and vigor. 2½ feet tall. $\frac{1}{4}$ oz. \$1.50; oz. \$4.50.

PADRE. Glistening crimson, rich and beautiful. Large flowers. 2½ feet. $\frac{1}{4}$ oz. \$1.25; oz. \$3.75.

TOM THUMB. An attractive bedding Snapdragon 8 inches tall. Well-balanced colors of red, pink, peach, yellow and white shades. Can be used for borders. $\frac{1}{8}$ oz. 65c; $\frac{1}{4}$ oz. \$1.00; oz. \$3.50.

SNAPDRAGON, Tetraploid, Superfine Mixture





SWEET PEAS

Sweet Peas (A)

(340 seeds per oz.)

Cuthbertson

In Separate Colors

DANNY. Blue.**RUTH.** Deep rose-pink.**DAVID.** Rose-crimson.**KENNETH.** Crimson.**EVERLYN.** Cream-pink.

Any of above, Pkt. 25c.

CUTHBERTSON MIXED. A well-balanced formula mixture of all the above colors. Oz. 50c; ¼lb. \$1.50.**FLORIBUNDA SWEET PEA.** Heat resistant. Long stems and vigorous vines with five or more fragrant flowers to a stem.**PEGGY.** White.**SALMON-CREAM-PINK****LAVENDER****TOMMY.** Blue.**MAUVE**

Pkts. only at 25c each

PERENNIAL OR HARDY SWEET PEAS (Lathyrus latifolius). (P) Very decorative, climbing vine of the Pea family for growing on fences, trellis, etc., and for cutting. Blooms all summer if the seed pods are removed. Mixed. ½oz. 85c; oz. \$1.50; 4 ozs. \$5.00.

Sunflower (A)

DOUBLE MUM-FLOWERING. Golden yellow flowers, resembling chrysanthemums. Oz. 85c.**RED and GOLD.** Pkt. 15c.**SCHIZANTHUS, Dr. Badger.** (A) Pkt. 25c.**SENSITIVE PLANT.** (A) Pkt. 25c.**SNOW-ON-THE-MOUNTAIN.** (A) Pkt. 25c.**STATICE, Mixed.** (A) Pkt. 25c.**STRAWFLOWER (Helichrysum).** See page 42.**SWEET WIVELSFIELD.** (A) Pkt. 25c.

Sweet William (A)

WEE WILLIE. The only annual Sweet William. Introduced in 1959, it has proved to be a popular addition to bedding plant sales. It is dwarf in growth, 4 to 6 inches, with a wide color range including crimson, ruby, deep rose, pink and white. Blooms outdoors 7 to 8 weeks after planting. Can be forced to bloom in 6 weeks in the greenhouse. ⅛oz. 65c; ¼oz. \$2.00; oz. \$6.00.

Sweet William (P)

(31,000 seeds per oz.)

Seed for this charming old-fashioned favorite may be sown any time from spring to midsummer. Provide protecting cover for young plants during the winter.

TALL DOUBLE MIXED. 2 feet. This mixture is of superior quality, containing all colors and shades. ¼oz. 35c; oz. \$1.00.

DOUBLE-FLOWERING DWARF MIDGET MIXED. 6 inches. A dwarf, early-flowering variety ideally adapted for the perennial border as well as pot plants. ¼oz. 90c; oz. \$3.00.

DOUBLE DWARF DARK CRIMSON. Use separately or combine in Midget Mixed for added color. ¼oz. \$1.75; oz. \$6.00.

Vinca (A)

(20,000 seeds per oz.)

LITTLE PINKIE (Coquette). A dwarf selection out of Vinca Rosea. Compact, 8 to 10-inch plants, covered with rose flowers of good size. Very free flowering. ¼oz. \$1.00; oz. \$3.50.

Verbena (A)

(12,500 seeds per oz.)

FIRELIGHT (Spectrum Red). A brilliant solid red without eye. Plant is dwarf. ¼oz. 90c; oz. \$2.75.

HYBRIDA GRANDIFLORA, MAMMOTH MIXED. Handsome umbels of large flowers in beautiful shades of white, rose, scarlet, blue and purple. Of trailing habit. ¼oz. 90c; oz. \$2.50.

BUSH TYPE MIXED (Gigantea Dwarf). Ideal florist strain. Height 6 inches. A compact plant. Mixture of many colors. ¼oz. \$1.00; oz. \$3.50.



VERBENA, Hybrida Grandiflora, Mammoth Mixed

Zinnias (A)

(2500 to 4000 seeds per oz.)

Splendid sturdy annuals flaunting a brilliant profusion of color and succeeding well in any soil. They will retain their beauty for several weeks and bloom until frost.

NEW ZINNIAS

THUMBELINA. A new dwarf Zinnia, 4 to 6 inches tall, that begins to bloom at 4 inches. Small double cushion flowers in beautiful color combinations. Because this new Zinnia blooms early and in the flat or pot, it will stimulate sales. See color illustration on back cover. **1/4oz. \$3.75; oz. \$12.00.**

STATE FAIR. A complete line of colors in the Giant Tetraploid Zinnias. A distinct improvement, with more and brighter colors yet maintaining vigor and flower size. 3 feet tall. **Oz. \$2.00; 1/4lb. \$6.00; lb. \$20.00.**

FANTASY. A mass of shaggy petals. Medium-sized, very colorful, double flowers, in brighter shades of red and orange, pastel pinks and cream. **Oz. \$1.25; 1/4lb. \$4.25.**

PEPPERMINT STICK (Striata). Flower petals are striped in various color combinations—red and white, red and yellow, purple and white, carmine and white, orange and yellow. Approximately 70% striped. Finest mixed. **1/4oz. 40c; oz. \$1.25.**

LILLIPUT DOUBLE MIXED, or POMPON. Height 1 1/2 feet. The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy in size. They are pretty plants. **Oz. \$1.25; 1/4lb. \$3.50; lb. \$11.00.**

LILLIPUT TOM THUMB MIXTURE. Small, double flowers cover the 8 to 10-inch plants. Finest mixed, with a nice range of colors. **1/4oz. 50c; oz. \$1.50; 4 ozs. \$5.00.**

INDIAN SUMMER GIANT MIXTURE. Pkt. 25c.

ALL GIANT PASTEL MIXTURE. Pkt. 25c.

CREEPING ZINNIA. Pkt. 25c.

CUPID TINY TIM. Pkt. 25c.

VIOLA, Blue Perfection. (P) Pkt. 25c.

VIOLA, Mixed. (P) Pkt. 25c.

VIRGINIANA STOCK, Mixed. (A) Pkt. 25c.

WILD GARDEN MIXTURE. Pkt. 25c.



ZINNIA, California Giant

DARK JEWELS. Giant Cactus-flowered. A new and specialized formula with particular emphasis on the dark strong colors that stand out in the garden. Strong orange-flame, scarlet, golden yellow, lavender, spirea-red and cherry. **Oz. \$3.50; 4 ozs. \$11.00.**

CALIFORNIA GIANTS, Finest Mammoth Mixed.

This is a formula mixed blend made up of the choicest colors of this attractive strain of Zinnia. The flowers are gigantic in size, with thickly set, velvety petals. They are borne on long stems, excellent for cutting. The vigorous plants are 3 to 4 feet tall. **Oz. \$1.25; 1/4lb. \$3.50; lb. \$11.00.**

CALIFORNIA GIANTS. In separate colors: Lavender, royal purple, scarlet-flame, light rose, golden yellow, light orange, pink, light yellow, orange and gold. **Tr. pkts. only, 25c each.**

GIANT DAHLIA-FLOWERED, Finest Mixed. Originator's strain of this popular cut flower. The flowers truly resemble the show type dahlias, with broad imbricated petals. The gorgeous blooms often measure 6 to 8 inches in diameter and 4 inches in depth. Selected colors offer an attractive range and blend. Sturdy plants, 2 1/2 to 3 feet tall. **Oz. \$1.25; 1/4lb. \$3.50; lb. \$11.00.**

DAHLIA-FLOWERED CRIMSON.

DAHLIA-FLOWERED SCARLET.

DAHLIA-FLOWERED ORANGE and GOLD.

Popular separate colors, tr. pkt. 25c.

BLAZE. All-America Winner 1954. Brilliant mandarin-red flowers which soften to scarlet-orange as they attain size. Free-blooming, uniform plants, 28 to 32 inches tall. **1/8oz. 35c; 1/4oz. 60c; oz. \$2.00.**

PRIDE OF DIELDRIN. (NEW.) Here is a new giant Cactus-flowered Zinnia that genuinely glows with color. The scarlet-flame center is surrounded by outer petals of bright golden orange, and the plants are both husky and most generous of bloom. **1/8oz. 35c; 1/4oz. 60c; oz. \$2.00.**

GIANT CACTUS-FLOWERED MIXED. An extra large Zinnia up to 6 inches in diameter. The petals of some are fluted, others are flat and twisted, blending into a beautiful color combination of rose, lavender, canary-yellow, orange, scarlet, white and cerise. Plants sturdy, 24 to 28 inches tall. **Oz. \$1.25; 1/4lb. \$3.50.**



←
**ZINNIA,
Lilliput
Double
Mixed**

→
**ZINNIA,
Pride of
Dieldrin**



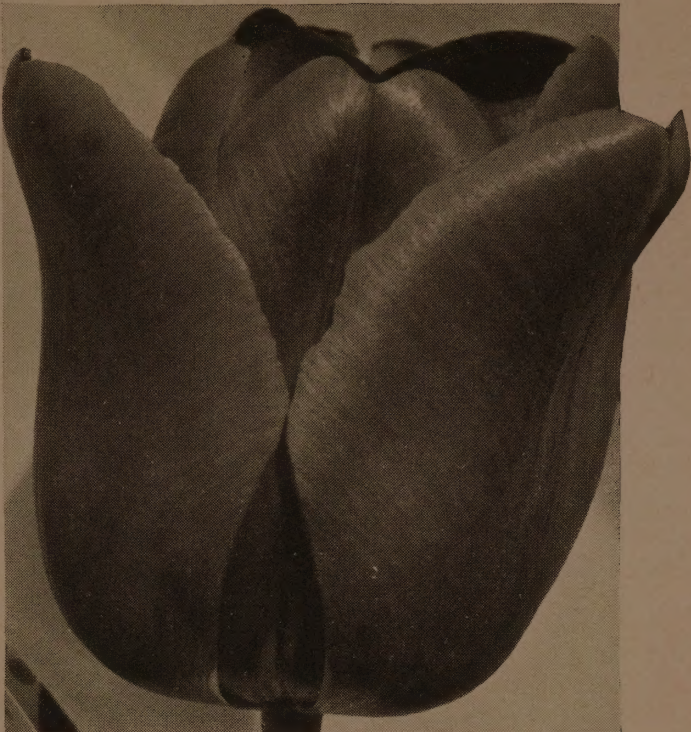
Tulips, Hyacinths, Crocus, Daffodils and Narcissus for Fall Planting

These are imported bulbs from the Netherlands, and will not be available until September 15, 1963, at which time we will be glad to quote prices on request.

Darwin Tulips (Top Size)

- BARTIGON.** Fiery crimson with pure white base. Strong stem. Excellent for forcing. 24 inches.
- BLEU AIMABLE.** Bright lilac-blue, shaded steel-blue, inside darker with a blue base. 29 inches.
- CHARLES NEEDHAM.** Brilliant scarlet with blue base. One of the best varieties, with a strong stem. 24 inches tall.
- CLARA BUTT.** Clear salmon-pink with a white base flecked blue-gray. 26 inches. An old favorite.
- GOLDEN AGE.** Large, deep golden yellow, slightly shaded orange when fully developed. 26 inches. Fine shape.
- LA TULIPE NOIRE.** The Black Tulip. Deep maroon-black. Definitely the closest to a real black. 26 inches.
- PRIDE OF HAARLEM.** One of the best-known and most popular varieties. Brilliant cerise-scarlet with a blue base. 28 inches.
- PRINCESS ELIZABETH.** Lovely soft rose-pink with lighter edges and a white base. Good forcing variety also. 26 inches.
- THE BISHOP.** Beautiful deep violet with a small, dull blue base edged white; purple anthers. 29 inches.
- ZWANENBERG.** Large, pure white with black anthers. A very popular variety. 28 inches.

AS WELL AS MANY OTHERS



DARWIN TULIPS, Pride of Haarlem

Hyacinths (17 to 18 cm.)

- CITY OF HAARLEM.** Large, pure yellow. Compact blossom of fine form.
- GRAND MAITRE.** Deep lavender-blue. Very large spike.
- KING OF THE BLUES.** Rich dark blue. Splendid spike with large bells.
- LA VICTOIRE.** Bright carmine-rose. Large spike and a very fine, sturdy stem.
- L'INNOCENCE.** Pure white. Large spike with large bells.
- QUEEN OF THE PINKS.** Bright rose-pink. Enormous, compact spike.



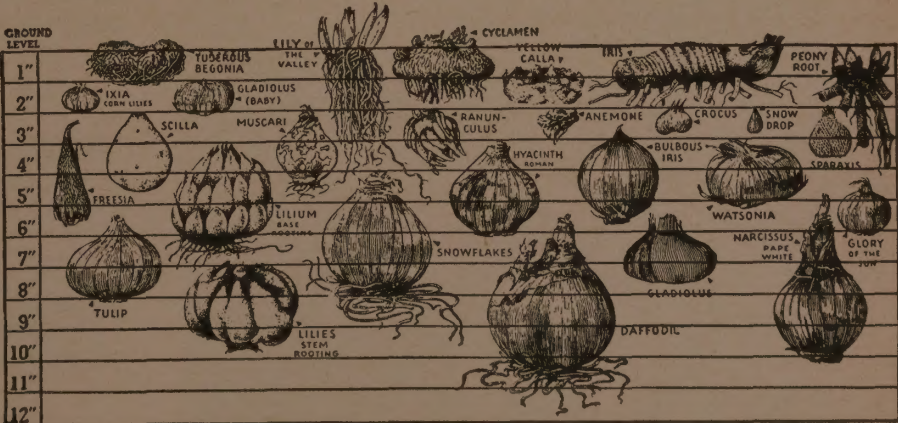
HYACINTHS

Crocus (Top Size)

- KATHLEEN PARLOW.** Large, pure white with yellow anthers.
- KING OF THE STRIPED.** Large, white with purple stripes.
- MAMMOTH YELLOW.** Large, golden yellow.
- PURPUREA GRANDIFLORA.** Rich, deep purple. Immense flowers.

Narcissus and Daffodils (No. 1 Bulbs)

- KING ALFRED.** Golden yellow. Broad perianth and a large trumpet, frilled at the mouth. Popular. 16 inches.
- MRS. E. H. KRELAGE.** Pure white perianth and a creamy white trumpet, recurving at the brim. 20 inches.
- MUSIC HALL.** Pure white perianth and a gold-yellow trumpet. 18 inches.
- LAURENS KOSTER.** (Poetaz.) Creamy white perianth and a lemon-yellow center. Very fragrant. Several flowers on a stem. 14 inches.



Gladiolus

OUTSTANDING VARIETIES

75c per doz.; \$5.75 per 100

State inspected, treated with an insecticide and fungicide, ready to plant.

ABU HASSAN. Dark violet-blue; strong, slim stems.

BENJAMIN BRITTEN. Tall; deep lavender.

BLUE BEAUTY. Exhibition. Light blue, shading darker toward the edges.

BURMA. Exhibition. Large, ruffled, deep rose.

ELIZABETH THE QUEEN. Exhibition. Giant ruffled lavender.

ELMER'S ROSE. Deep rose, heavily ruffled, opening 8 to 9 well-placed blooms on 20-bud spike.

FLORENCE NIGHTINGALE. Fine white. Opens 6 to 8 glistening, wavy, 5½-inch florets on tall spikes.

FRIENDSHIP. Very early. Flesh toned pure pink.

GOLD. Rich, deep golden yellow.

HANS VAN MEEGEREN. Good clear yellow.

HAPPY END. Early salmon-scarlet with a yellow throat.

JO WAGENAAR. Rich and brilliant deep red; white line on lower petal.

LEIF ERICSSON. Beautiful ruffled cream.

ORANGE GOLD. Genuine orange self; smooth, tailored flower on tall stems.

PACTOLUS. Deep apricot with bright red blotch.

PALETTE. Striking combination of vermilion-red with purple throat spot.

PHANTOM BEAUTY. Beautiful light blush-pink, opening up to 12 closely arranged blooms.

PICARDY. Exhibition. Delicate apricot-pink. Flowers are all extremely large and of heavy, wax-like substance.

RED CHARM. Exhibition. Very attractive shade of medium red.

SALMAN'S SENSATION. Largest and tallest of the blues.

SANS SOUCI. Tall scarlet-red, large flowers.

SHERWOOD. Beautiful purple, shading to a darker blotch, with 7 large flowers open at once.

SPIC AND SPAN. Tall, ruffled, deep pink; many open at a time.

GLADIOLUS MIXTURE



SPOTLIGHT. Decorative. Deep yellow with red spot. Florets of large size, perfectly placed. One of the finest grown.

TRAVELER. Light rose-pink of good texture, nicely frilled. Will open 10 to 12 florets.

UHU. A colorful smoky orange.

WHITE GODDESS. Tall, large flowered, ruffled white.

**ALL BULBS LISTED ARE SUBJECT TO
4% MICHIGAN SALES TAX**

Bulbs are quoted at net prices and are mailed or shipped F.O.B. Grand Rapids with postage or freight costs added to invoice.

GLADIOLUS MIXTURE

20 Large Size Bulbs—10 or more varieties in the mixture, giving complete color range—for only **\$1.00**

Your Lawn and Its Care



HOW TO BUILD A NEW LAWN

Planting Time—Spring, Summer, Fall

SOIL PREPARATION. Cultivate soil to a depth of 6 to 8 inches with garden fork, rototiller, or tractor cultivator. Pulverize surface with garden rake to form a smooth, level seed bed.

FERTILIZING. Apply lawn food at the same time the lawn is seeded. This complete plant food should be a 10-6-4 formula or something similar, and should be applied at only 10 pounds per 1000 square feet.

SEEDING. Broadcast lawn seed at the rate of one pound to 200 square feet. Rake lightly into the soil, and firm surface with a lawn roller unless your soil is a heavy clay adobe. A light mulch of weed-free straw or peat moss spread over the lawn after seeding will help keep the soil moist and stimulate better germination.

WATERING. If soil is especially dry, soak seed bed thoroughly before seeding. After seeding, sprinkle with a fine spray, keeping top soil moist until seedlings are well rooted. Don't allow soil to dry or crust.

MOWING. As soon as seedlings are 3 inches high, start cutting with a sharp mower. Keep lawn cut about 1½ to 2 inches high.

HOW TO REPAIR AN OLD LAWN

Turn over bare spots to a depth of 4 to 6 inches, adding a good fertilizer and a good loam soil if possible. Rake surface evenly, and seed at same rate listed above. Firm the ground with a roller, unless your soil is heavy clay or adobe; then keep well watered until seedlings are well rooted. Don't let newly seeded spots bake or dry out. To repair thin lawns, vigorously rake the soil

surface to prepare a deep bed. Seed at the same rate listed above and cover lightly with rich top soil or peat moss. Water carefully and keep the surface moist until the seedlings become well rooted.

HOW TO KEEP YOUR LAWN IN GOOD CONDITION

Remember that "grass" is a mass of individual plants, each with its own requirements of food, moisture and sunlight. When Nature's supply fails, the plant protects itself by becoming dormant. Its energy retires to the roots and the top dies off, leaving your lawn an expanse of dry brown instead of lush green. While sunlight is beyond your control, you can supply food and moisture, and it is your job to do so before they are desperately needed. Ninety-five percent of the grass plant foods is carbon, manufactured from carbon dioxide in the air by the chlorophyll in the leaves. The remainder—just as vitally needed—consists of nitrogen, phosphates, potash and minor elements. Commercial fertilizers containing the proper proportions are available. We shall be glad to make recommendations when requested.

FERTILIZING. Apply fertilizer at least twice a year, early spring and early fall.

WATERING. Hot, dry spells can occur any time, causing grass to go dormant unless watered. Don't tease your lawn by light, frequent sprinkling. Give it a good soaking less often.

CUTTING. Mowing chops off part of the food factory in the leaves. Set your mower for a height of not less than 1½ inches. In hot weather allow the grass to grow a little longer than usual. This shades the soil, helps retain moisture, and discourages crabgrass, a sun-loving, hot-weather plant.

Grade "A" Sunny Lawn Mixture

This is our own mixture, containing Merion Kentucky Blue Grass, Fancy Red Top, Red Creeping Fescue, Chewing's Fescue, Rye Grass and 5% pure White Clover. Wonderful results have been obtained with this mixture. We use only the very best of seeds obtainable, of lasting value and hardiness, giving you a beautiful and permanent lawn that will last for years.

Grade "A" Shady Lawn Mixture

Contains Chewing's Fescue, Poa Trivialis, Kentucky Blue Grass and Red Top. This mixture is our own. We mix it ourselves especially for shady spots, using only the very best seeds obtainable. Because more care and attention is required, we have used the hardier grasses that will make a dense, thick growth in light soils and a satisfactory lawn in shady places or where sun is available only part of the time.

KENTUCKY BLUE GRASS. Perennial. Dark green, medium leaf blade. Cold resistant. Well adapted to northern states, mountainous and cooler localities farther south. A vigorous grower in these regions. Spreads by underground runners. Prefers rich soils. Does poorly on infertile soils, becomes dormant in summer unless well watered and fertilized. Germinates in 3 to 4 weeks. 2,200,000 seeds per pound. Recommended for lawns, fairways, pastures, airports, athletic fields.

MERION KENTUCKY BLUE GRASS. An improved strain of Kentucky Blue Grass developed by the U. S. Dept. of Agriculture from a strain of Kentucky Blue Grass found on the Merion Golf Course near Philadelphia. Dark green color; leaves slightly wider than ordinary Kentucky Blue Grass. Very winter hardy; turns green earlier in the spring and stays green longer in hot weather. Deeper rooted and produces a much thicker turf than ordinary Kentucky Blue Grass. Resists common fungus diseases and will thrive under close mowing. Germination time about the same as Kentucky Blue Grass, but once started Merion is more vigorous and fills in quicker after injury. It needs to be mowed only about half as often. Seed is slightly larger, about 2,000,000 per pound. An excellent grass in lawn seed mixtures and on golf course fairways.

RED TOP. Perennial. Quick growing. Medium to fairly wide blade; deep green. Stands dry soils better than Kentucky Blue Grass. Tolerates poorer soils. Becomes somewhat coarse with age. Fairly cold resistant. Will grow on soils very low in lime. Spreads by underground runners. In lawns will usually last one to three years. Germinates in about 7 to 8 days. 5,000,000 seeds per pound. Used in lawns, pastures, athletic fields, airports.

DOMESTIC RYE GRASS. (Common.) Annual. Shiny wide, dark green leaf blade. Vigorous grower. Very competitive with other grasses. Adapted to both rich and poorer soils. Germinates in about 7 to 8 days. 230,000 seeds per pound. Used for pastures and lawns.

PERENNIAL RYE GRASS. Usually not winter-hardy in the northern part of the United States. Shiny, deep green, medium wide leaf blade. Adapted to fairly wide range of soils and soil conditions. Germinates in 7 to 8 days. 230,000 seeds per pound. Used for pastures and lawns.

WHITE CLOVER. (Dutch.) Low-growing, broad-leaved legume. Ordinarily long lived but stands are often thinned by diseases and insects. Adds nitrogen to the soil. Spreads by above-ground stolons or runners. Thrives best under cool moist conditions in fertile soils with plenty of lime. Germinates in 7 to 12 days. 800,000 seeds per pound. Used in lawns, pastures, parks and meadows.

POA TRIVIALIS or ROUGH BLUE GRASS. Primarily a shade grass. A strain of Blue Grass usually imported from Denmark. Fine leaved, bright yellowish green; not too satisfactory for sunny spots. Spreads by stolons (surface stems) or runners. 2,500,000 seeds per pound.

CHEWING'S FESCUE. Perennial. A fine-leaved, somewhat wiry, bright green grass. Deep rooted. Fairly drought resistant. Does better in poorer acid soils than Kentucky Blue Grass. Does not creep by underground runners. Does well in shade or in sun. Cold resistant. Germinates in 10 to 14 days. 600,000 seeds per pound. Used in lawn, shaded areas, pastures, athletic fields.

RED CREEPING FESCUE. Perennial. Fine leaved. Similar in appearance to Chewing's Fescue. Doesn't bunch. Spreads by underground runners in exactly the same manner as Kentucky Blue Grass. Adapted to poorer soils. Fairly acid tolerant. Requires less moisture than Kentucky Blue Grass. Does well in shade or sun. Cold resistant. Germinates in 8 to 12 days. 600,000 seeds per pound. Used in lawns, fairways, pastures, airports and athletic fields.

ALTA FESCUE. Perennial. Medium dark green. Wider bladed than Kentucky Blue Grass. Very deep rooted, but develops root system slowly in first year. Survived drought. Does well in shaded areas and on poor soil. Germinates in 7 to 12 days. Has proved itself to be perfectly winter-hardy in this climate and is being used in a limited way in mixtures of seeds for athletic fields, airports, playgrounds and pastures. Because of its deep root system it is able to withstand heavy wear. 230,000 seeds per pound.

ASTORIA BENT GRASS. Perennial. A strain of Colonial Bent. Very fine, rich green leaf blade. Cold resistant. Fairly tolerant of dry conditions. Spreads by underground runners. Does well in sun or shade. Tolerates acid soils. Susceptible to brown patch and dollar spot. Germinates in 9 to 14 days. 8,700,000 seeds per pound. Used in lawns and on fairways.

Mail Orders Are Solicited And Prices Will Be Quoted On Request

FAESY & BESTHOFF PRODUCTS

15-30-15 STARTER-GROWER. All-purpose, completely mineralized, all-soluble plant food. Applied as a solution in transplanting or sidedressing. 3-lb. bags.

BROADLEAF HIGH ORGANIC 6-10-4. A 33 1/3% organic, completely mineralized fertilizer for acid-loving plants. 5-lb., 10-lb. and 25-lb. bags.



TERMITKIL. Unadulterated ground penetrant. Formula recommended by the U. S. Dept. of Agriculture. 1-gal. cans.

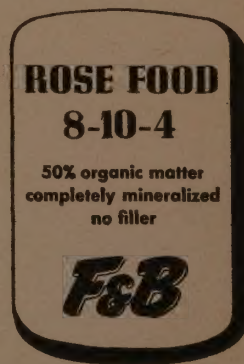
BONE MEAL. Pure steamed, guaranteed, 2.47% Nitrogen, 23% Total Phosphoric Acid. A favorite organic, slow-acting fertilizer for bulbs, perennial plants, trees, flowering shrubs and for all-year-round lawn application. Particularly effective in stimulating strong root systems. 5-lb., 10-lb. and 50-lb. bags.



Prices on request

LONGHORN BRAND CATTLE MANURE. A safe 100% organic natural plant food and soil builder. 5-lb. and 10-lb. bags.

ROSE FOOD 8-10-4. Specially compounded to contain 50% organic matter for the discriminating Rose fancier and grower. Completely mineralized 100% plant food carrier, no fillers. Encourages brilliant colors, vigorous foliage and resistance to disease. 5-lb., 10-lb. and 25-lb. bags.



For Better Lawns and Gardens

SPECIAL PLANT FOODS and FERTILIZERS

Where prices are not listed, please ask for current market quotation on quantity desired. All prices will be quoted f.o.b. Grand Rapids, Michigan.

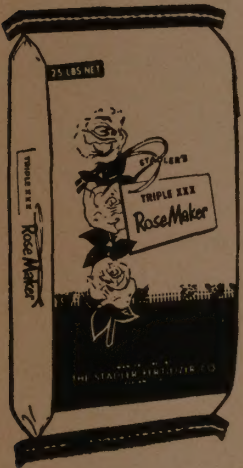


STADLER'S TRIPLE XXX. This popular lawn food is a 10-6-4 analysis with an all-organic base, which stimulates lush growth and builds up deep root growth and humus. 5-lb., 10-lb., 25-lb., 50-lb. and 100-lb. bags.

STADLER'S GARDEN GRO. Analysis 4-12-4. Recommended for vegetables and flowers, shrubbery and trees. 5-lb., 10-lb., 25-lb., 50-lb. and 100-lb. bags.



STADLER'S ROSE FOOD. Analysis 7-8-5. Use this deluxe, completely balanced food for best results in Rose culture. Includes the necessary organic materials with all vital minerals added. 5-lb., 10-lb., 25-lb. and 100-lb. bags



LAWN & GARDEN CYANAMID. This is a unique product that can be used in many ways. It contains 20% nitrogen, which makes it an excellent concentrated plant food for both old and new lawn building. Highly recommended for asparagus feeding and other general garden use. Used for compost building and is an excellent weed control when first applied.

ORGANIC FERTILIZERS

MILORGANITE

A natural unadulterated plant food. The effects on growth are long lasting. High in purity, non-burning and easy to use. Recommended for lawns, trees, shrubbery and gardens.

SHEEP MANURE

Processed and weed free. In 5-lb., 10-lb., 25-lb. and 50-lb. bags.

CATTLE MANURE

Processed and weed free, and will not burn. Recommended for Rose culture. In 5-lb., 10-lb., 25-lb. and 50-lb. bags.

DRICONURE

A balanced combination of processed manures and peat moss. A real soil builder. In 1-lb., 7½-lb., 25-lb., 50-lb. and 80-lb. bags.

BONEMEAL

Steamed. An excellent source of organic phosphate, recommended for Rose culture and bulbs. In 5-lb., 10-lb., 25-lb., 50-lb. and 100-lb. bags.

CONCENTRATES AND SOIL CONDITIONERS

Ammonium Nitrate
Nitrate of Soda
Sulphate of Ammonia

Superphosphate
Muriate of Potash

Soil Conditioners

Borax
Ground Limestone
Phosphate Rock
Hybrotite
Manganese Sulphate
Aluminum Sulphate
Copper Sulphate
Zinc Sulphate
Iron Sulphate (Ferrous)

Magnesium (Epsom Salt)
Cyanamid
Krillium
Green Gold
Soil Life
Fertilife
Peat Moss
Vermiculite

PLANT MARVEL



Analysis 12-31-14. Applied in liquid form, it acts as a starter solution, immediately supplying the three major elements of nitrogen, phosphoric acid and potash, as well as the essential minor elements needed in just the proper proportions so that the young plants can most effectively use them.

Used as a solution in transplanting Tomato plants to the field, Plant Marvel will reduce shock to the plants and practically eliminate wilting.

Plant Marvel stimulates greater root development, faster growth, earlier maturity and more uniform ripening of the Tomatoes. Yields have been increased from one to four tons per acre.

Write for Prices

Test Your Soil

ONLY
\$3.98

For this famous

Sudbury Soil Test Kit

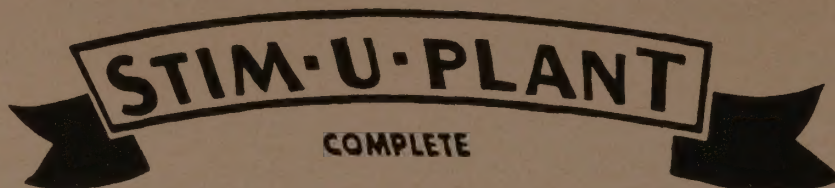
It's first aid to amateurs for finer lawns, flowers, vegetables—the fancier's guide to prize-winning blooms. Shows how to give your soil the right kinds and amounts of fertilizers for all your flowers, vegetables, etc. (125 listed). Also whether lime is needed and how much. Easy to use, intensely interesting, no knowledge of chemistry needed. Ten-minute test tells more than a lifetime of gardening.

SPECIAL—complete equipment, instructions and solutions for 20 tests, for nitrogen, phosphorus, potash, acidity.

- 2-Minute Acidity Kit Model . . . \$1.98
 - Home Garden Model (illus.) . . . 3.98
 - Popular Gardening Model JR. "C" . . . 6.98
 - Horticultural Model B . . . 15.95
 - DeLuxe Professional Model A . . 29.98
- Not Postpaid



SOLUBLE FERTILIZERS



to-use **RICH SOIL**. Makes all plants grow and blossom. **1½-lb. pkg. 25c; 4-lb. pkg. 49c.**

STIM-U-PLANT African Violet Soil. Potting soil. A special soil prepared for this particular plant. **1½-lb. pkg. 25c; 4-lb. pkg. 49c.**

STIM-U-PLANT Plant Tablets. The original plant tablets to pep up your plants. **30 tablets 25c; 100 tablets 75c.**

STIM-U-PLANT African Violet Food. Promotes growth and blooming. Used and tested by commercial growers for several years. **¾ oz. 15c; 3 ozs. 35c; 7 ozs. 60c.**

STIM-U-PLANT ROSE FOOD.

This special Rose Food is formulated for use only on Roses. It is made to feed the Rose bush over a long period of time and to produce blooms with beautiful color. **5-lb. bag 79c; 10-lb. bag \$1.50; 25-lb. bag \$2.75, not postpaid.**

STIM-U-PLANT SELKAPS. No messy spray to damage plants. Controls insects on African Violets, Geraniums, Ferns, Ivy, Philodendrons, Mums or Cyclamen. **24 5-gr. capsules (with full directions in box) 89c; pkg. of 5 5-gr. capsules 25c.**

STIM-U-PLANT Peat Humus. A highly organic material in demand for conditioning soil and making special soil mixtures. **1-lb. pkg. 25c; 3-lb. pkg. 49c.**

HYPONEX PLANT FOOD

Analysis 7-6-19

Grows superior plants in soil, sand or water (contains Vitamin B-1). With Hyponex and water, plants grow luxuriantly, flower abundantly, and develop sturdy growth regardless of the poorness or sterility of the soil. Hyponex is ideal for hydroponics—the science of growing plants without soil. A teaspoonful makes a gallon of liquid plant food, which is enough for one watering of house plants in the average home. A 1-lb. can is sufficient to make 100 gallons. **1-oz. pkt. 20c; 2-oz. pkt. 30c; 5-oz. pkt. 60c; 10-oz. pkt. \$1.00; 10 lbs. \$9.00; 25 lbs. \$15.00; 100 lbs. \$40.00.**



IVY PHILODENDRON PLANT FOOD

20 capsules 19c; 50 capsules 39c.

GARDEN LIFE (Take Hold Plus)

Analysis 10-52-17. This very high analysis, producing a total of 79% active plant food units, has placed this soluble plant food in a class by itself. Its very high phosphoric content makes it a marvelous transplanting stimulator, and its well-balanced formula adapts it for all other general-purpose feeding. **2 ozs. 25c; 5 ozs. 50c; 14 ozs. \$1.00; 2 lbs. \$2.25; 5 lbs. \$5.00; 50 lbs. \$21.75.**

PLANT SHOOT

A formulation of GIBREL. A miracle growth stimulant containing potassium salts, 1000 parts to a million, producing bigger plants, larger blooms, lush, greener lawns. Complete kit, nothing else to buy and no guesswork. Easy and simple directions for amazing results. **KITS: Small size \$2.98; large size \$6.98. Aerosol bombs, 6-oz. size \$1.00; 12-oz. size \$1.79.**

KEM LIQUID PLANT FOOD

A complete concentrated plant food and conditioner incorporating the three main elements of nitrogen, phosphate and potash in balance, plus hormones and needed trace elements. Full directions for use with each unit. **4 ozs. 10c; 12 ozs. 25c; qt. 50c; gal. \$1.00.**

RA-PID-GRO (Analysis 23-21-17)

One of the best soluble fertilizers to use as a foliage plant food. It is well balanced for feeding all types of plants and shrubs. A miracle aid for flowers, vegetables, trees, shrubs and lawns. Used extensively on house plants. **2-oz. pkt. 25c; 6-oz. pkt. 50c; 8-oz. pkt. 75c; lb. \$1.30; 2 lbs. \$2.50; 5 lbs. \$4.75; 10 lbs. \$9.00; 25 lbs. \$21.00; 50 lbs. \$42.00.**



RA-PID-GRO

The Original Liquid Plant Food

PANOGEN TURF SPRAY

Here is a new fungicide for control of turf diseases. It is recommended for control of dollar spot, copper spot, brown patch, melting out and snow mold. Full directions on each bottle; easy to use. **8-oz. bottle \$2.25; 16-oz. bottle \$3.50; 32 ozs. \$5.95.**

GREENHOUSE SUPPLIES

Insecticides
Smoke Fumigators

These effective killers of greenhouse pests are used on an estimated cubic foot basis. Complete instructions for using are clearly printed on each fumigator unit.

BLACK LEAF "NICO-FUME" PRESSURE FUMIGATORS. ½-lb. can, 85c each; case of 12 cans, \$9.60. 1-lb. can, \$1.35 each; case of 12 cans, \$15.60.

Prices on the above are f.o.b. Grand Rapids

Lethalaire Greenhouse Aerosols

Prices quoted subject to change and f.o.b. Grand Rapids. Cylinder returnable, but deposit required as listed.

- G-54.

10% Parathion. Net weight 4 lbs.

\$9.00
- Cylinder deposit.

3.75
- Shipping weight 12 lbs.
- G-60.

10% Aramite. Net weight 4 lbs.

12.00
- Cylinder deposit.

3.75
- Shipping weight 12 lbs.
- G-61.

2% Lindane. Net weight 4 lbs.

12.50
- Cylinder deposit.

3.75
- Shipping weight 12 lbs.
- G-62.

15% Malathion. Net weight 4 lbs.

9.75
- Cylinder deposit.

3.75
- Shipping weight 12 lbs.

Glazing Materials

- GARLAND SHADING COMPOUND, GREEN**

25-lb. bags

\$6.00
- 50-lb. bags

10.50
- 100-lb. bags

20.00
- GARLAND SHADING COMPOUND, WHITE**

25-lb. bags

6.00
- 50-lb. bags

9.50
- 100-lb. bags

18.00
- GARLAND OIL SEALER**

1 gal.

4.85
- 5-gal. lots—per gal.

4.50
- COPEX No. 77**

1 gal.

3.70
- TUNG-WHITE.** For bar painter. If used with a brush it must be cut with 25% linseed oil and turpentine to make it brushable.

1 gal.

6.20
- GREENHOUSE STAPLES No. 2.** 1000 count

1.50
- ZINC GLAZING POINTS.** ¾ inch. 1 lb.

1.25

MAKE YOUR GARDEN
FERTILE, LOOSE & LOAMY



WITH AN ALL-PURPOSE
W-W COMPOST GRINDER
and SOIL SHREDDER

Work miracles with your soil right at the spot with this portable machine that is famous as the gardener's best friend. It shreds, grinds, and screens compost, sod, and leaves, as well as prepares organic matter for compost and mulch. It makes potting soil without additional attachments and mixes compost or fertilizer with the soil. Trash is separated from wanted material. Thousands in use.

Prices start at \$129.00, plus freight. A size and model for every purpose. Write for complete price list and description of all models.

Soil Fumigants

The Answer To Your "Damp-Off" Problem is

Pano-drench 4

PANO-DRENCH is a highly concentrated liquid and is easy to apply. Used for flats, pots, benches and outside beds. A dilution of 1 to 2 teapsoons of concentrate to 3 gallons of water produces effective control when applied 24 hours before sowing. One 4-oz. bottle makes 72 gallons of solution and treats up to 200 flats or 200 to 400 square feet. **Prices postpaid: 1 oz., \$1.95; 4 ozs., \$5.95; 16 ozs. \$19.20.**

PESTMASTER. Methyl bromide 98%, chloropicrin 2%. These 1-lb. metal, sealed bombs are used with a special applicator for fumigating compost and seed bed soils. We will quote prices on bombs, applicators and visqueen covers needed for a given estimated cubic foot bed or pile of compost.

FORMALDEHYDE. In gallon containers—containers extra at cost. Widely used for soil fumigating, seed treatment purposes. Prices and shipping information on request.



AG-30 1 col.
GREENHOUSES

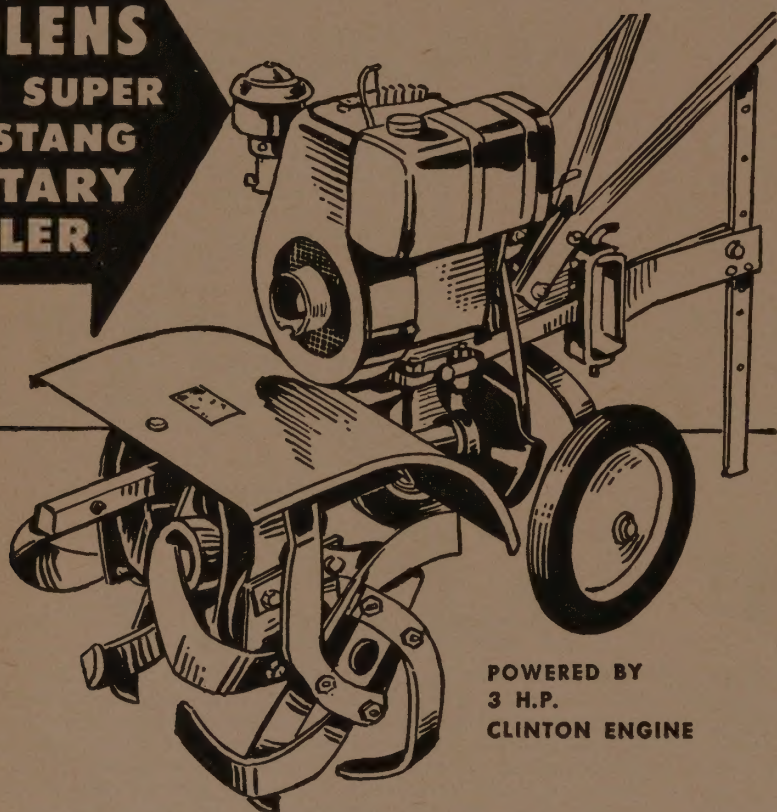
VisQueen

VISQUEEN (Polyethylene). We stock this plastic material, which is more widely used each year as a glass substitute for temporary greenhouses, boat covers, etc. We offer black or clear, .002, .004, .006 m/m gauge in 100-ft. roll lengths with widths of 3 ft.; 4 ft.; 8 ft.; 10 ft.; 12 ft.; 16 ft.; and 20 ft. We can cut certain widths in shorter lengths. **Write for prices.**

COSTS LESS than separate units

**Prepares the Seed Bed
in one Operation!**

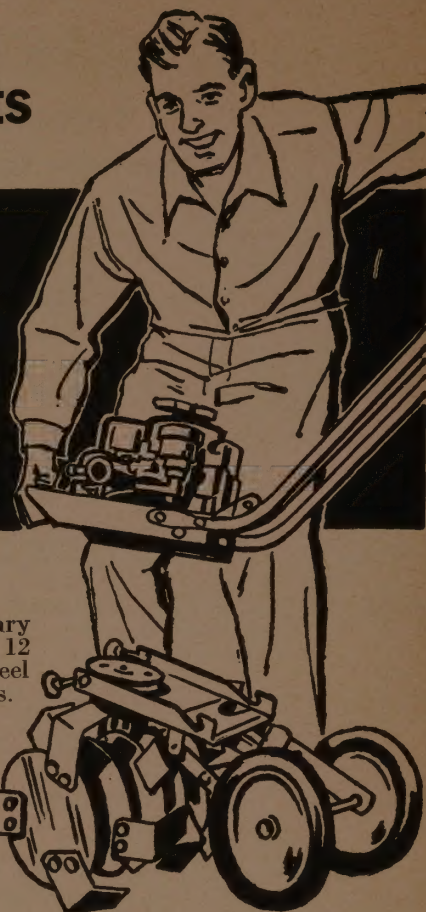
**The New
BOLENS
M-E SUPER
MUSTANG
ROTARY
TILLER**



**POWERED BY
3 H.P.
CLINTON ENGINE**

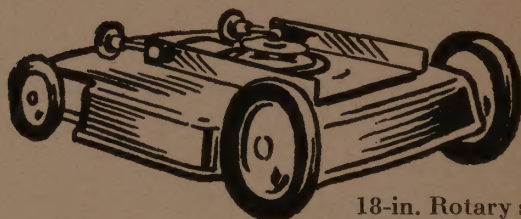
The Super-Mustang Tills, Cultivates, Weeds and Mulches in one operation. Does a year-round job with six Quick-hitch attachments. Exclusive Universal Tines, self-sharpening and guaranteed against breakage. Let us show it to you and demonstrate its operation.

**BOLENS
Power-Pak
COMBINATION
ROTARY TILLER
and MOWER**



18-in. Rotary
Tiller with 12
carbon steel
hoe blades.

Now combined in one interchangeable unit, to give you the perfect Rotary Tiller and Power Mower—all the equipment you need for the care of your garden and lawn.



18-in. Rotary side
trimmer side dis-
charge mower.

Within 60 seconds you change from a powerful Rotary Mower to a Rotary Tiller—without tools. See it today! Get a free demonstration.

PLANET JR. TOOLS

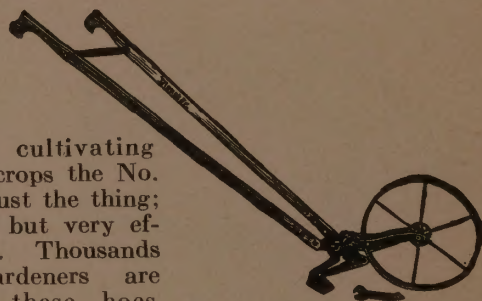
No. 300 Planet Jr. Seeder

The ideal machine for the market gardener. Drops accurately and evenly any vegetable seed, from the smallest up to bush lima beans. New style waved feed wheel does not crush or break beans or peas. Hopper can be removed in a few seconds to empty left-over seeds.



No. 18 Single Wheel Hoe

For cultivating small crops the No. 18 is just the thing; simple but very effective. Thousands of gardeners are using these hoes profitably.



Niagara



Fungicides

- KOLOFOG and KOLOSPRAY.** Fused bentonite sulphur product. Excellent sulphur fungicides for fruit diseases. Non-caustic, adhesive.
- NIACIDE.** A new organic fungicide for use on Apples and Tomatoes.
- PURATIZED AGRICULTURAL and APPLE SPRAYS.** Organic mercury spray for Apple scab.
- KOLO 100.** A sulphur-naphtha-quinone combination for Apple scab and brown rot on Peaches.
- CARBAMATE.** A formulation of ferbam for many fruit diseases.
- C-O-C-S.** Copper oxychloride sulphate (55% copper) for late and early blight and certain other diseases of Potatoes, Tomatoes and other vegetables. Available as a spray and in various dust combinations.
- SOLUBLE SULPHUR.** Dormant spray for Peaches.
- KOLODUST.** Fused bentonite sulphur dust for Apple scab, brown rot on stone fruits and various other fruit diseases.
- NABAM.** Liquid zinc dithiocarbamate for Potatoes, Tomatoes and certain other vegetable crops.

Weed Killers and Plant Hormones

- NIAGARA STIK.** Spray and dust formulations of naphthaline acetic acid for thinning and preharvest anti-drop applications on Apples.
- SWEP.** A new weed killer that prevents weed growth in pre-emergence stage. SWEP controls annual grasses, including crabgrass and many broadleaf weeds. This easy-handling granular material may be used on Rose beds, along Privet hedges, Evergreens, Mums, Gladioli and in vegetable gardens for weed control.

Insecticides

- LEAD ARSENATE.**
- DDT.** 50% wettable powder; 25 and 33% liquid; 3, 5, and 10% dusts.
- CHLORDANE.** 40% wettable powder; 72% liquid; 5% dusts.
- PARATHION.** 15% wettable powder; 25% liquid; 1%, 1.5% and 2% dusts.
- PYRENONE No. 606 SPRAY.** Used as a grain protectant and fruit fly spray.
- PYRENONE DUST.** Used on vegetable crops.
- TEPP.** 40% tetra ethyl pyrophosphate spray.
- DDD.** 50% wettable powder; 25% liquid; 5% dust.
- ROTENONE.** 5% wettable powder; .75%, 1% and 2.50% dusts.
- DINITRO DRY.** 40% dinitro ortho cresol for dormant spraying.
- LINDANE.** 25% wettable powder; 25% liquid; 1% dust.
- MALATHION.** 25% wettable powder; 50% liquid; 4% dusts.

INSECTICIDES—Continued

- NIAGARAMITE.** 15% aramite spray and 2% dust for mites and red spiders.
- DIELDRIN AND ALDRIN.** Liquid concentrate, wettable powders, dusts and granulated formulations.
- TREE TANGLEFOOT.** 6-oz. tube \$1.08; lb. \$1.35; 5 lbs. \$6.30.



TREETOX.
14 ozs. \$1.30.

TRI-GEN 3-in-1 ROSE SPRAY



The all-purpose spray for Rose plants. Insecticide, fungicide and plant stimulant all in one. 8-oz. bottle \$1.50; 16-oz. bottle \$2.50; 32-oz. bottle \$4.50.

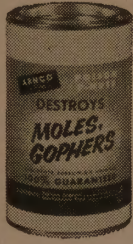
- TRI-GEN ROSE DUST** is especially recommended as a control for certain insects, but as a fungicide it assists in the control of certain mildews and blackspot on Roses. Lb. \$1.25; 5 lbs. \$4.98.
- TOBACCO DUST.** 5-lb. bag 85c.

CYANO GAS

- CYANO GAS A DUST.** Calcium cyanide for killing all rodents. 1-lb. cans, 5-lb. cans.
- CYANO GAS G FUMIGANT.** For greenhouse fumigation or general fumigation of all enclosed spaces. 4-oz. cans, 5-lb. cans, 25-lb. drums.

Repellents for Rodents and Predatory Animals

- | | | |
|------------|-------|--------|
| 1 1/2 ozs. | ..... | \$0.50 |
| 3 1/2 ozs. | ..... | 1.00 |
| Lb. | ..... | 3.75 |
- D-CON Concentrate (Warfarin)**
8 ozs. 2.98
- D-CON Ready Mix (Warfarin)**
Lb. 1.69
5 lbs. 5.98
- MO-GO.** Kills moles and gophers.
Write for prices
- DOGZOFF**
3-oz. bottle75
- KILL MICE**
Pkt. 25c; 1-lb. box. 1.35
- ZIP.** A repellent for rabbits and deer.
Qt. 2.95
Gal. 8.75
- FLYING DISCS.** 10 in a pkg., with complete instructions25
- CHAPERONE**
4 ozs.89
8 ozs. 1.49
- GOODRITE NO-NIB'L RABBIT REPELLENT**
6-oz. size 1.25



NOTICE. All prices quoted on this page are subject to change without notice, and are f.o.b. Grand Rapids. Refer to postal rates on page 3 for mailing cost.

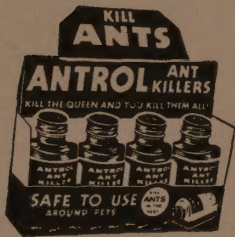
Insecticides



Antrol Ant Traps

The safest ant killer to use around children or pets. Contains thallium. Attracts sweet and grease-eating ants.

20c each; set of 3 traps 49c.



Antrol Ready-Filled Feeders

Handy, economical, refillable feeders for effective extermination of sweet and grease-eating ants. Attracted by bait, they carry it back to nest as food.

15c each; set of 4 feeders 50c.



Antrol Syrup Refill

For refilling feeders. **4-oz. bottle 25c.**



Antrol Ant Spray

Residual spray containing potent chlordane. Kills ants, roaches, Japanese beetle grubs, termites, chiggers, lawn moths. Handy sprayer attached.

Pt. size 89c; qt. size \$1.19.

Antrol Multi-Purpose Dust

Use this multi-purpose wettable powder on Roses, flowers, vegetables, shrubs and fruit trees. Contains malathion, captan, methoxychlor and sulphur. Controls blackspot and powdery mildew. Kills aphids, Japanese beetles, mites, thrips, earwigs and tent caterpillars. Amazing results when used as a dust or mixed with water and sprayed.

10-oz. plastic squeeze duster . . . \$1.39
1-lb. carton refill 1.49



Antrol Push-Button Rose Spray Flower Bomb

Just push the button of this original and leading Rose bomb to kill aphids, thrips, leaf-hoppers, mites and Japanese beetles; also controls blackspot and powdery mildew.

15-oz. size \$1.59.



Antrol African Violet and House Plant Insect Bomb

Kills mealy bugs, mites, aphids, exposed thrips, white flies. This handy insecticide-miticide protects house plants from insects that wither and discolor African Violets, Ivy, Bracken, Philodendron, Rubber Plants and similar plants. Easy to use. Just push button.

6-oz. Aerosol 89c.



Ridz Dog Repellent

Keep dogs off your shrubs, plants, trash cans, fences, etc. Ridz is guaranteed to work. Easy-to-use aerosol. No mixing, no pouring, no sprayer to buy.

10-oz. Aerosol \$1.49.



Snarol (Meal or Pellets)

For slugs and snails. Metaldehyde-arsenical bait lures them from plants and shrubs and kills them fast. Meal form or pellets.

Lb. 50c; 2 1/2 lbs. \$1.00; 6 lbs. \$2.00.



Lawntrol Granules with Dieldrin

Most effective lawn insecticide, with long-lasting residual effect. Kills lawn moths, ants, cutworms, earwigs, sowbugs (pillbugs), and Japanese beetle grubs. Easy to use. Can be broadcast from handy shaker package or mixed with fertilizer and applied with a spreader.

Lb. 69c; 2 lbs. \$1.25; 5 lbs. \$2.49.



Black Flag Push-Button Insect Bomb

Easy finger pressure on push button releases DDT, allethrin, methoxychlor and piperonyl butoxide for quick knock-down and residual killing action.

New giant size, 12 ozs. \$1.19.



Flyded Push-Button Insect Killer

Kills flies, mosquitoes, flying moths, gnats. Non-inflammable. Easy to use. Just push the button.

Medium size—11 ozs. \$0.79
Giant size—14 ozs.98

FUNGICIDES

ACME
INSECTICIDES

WEED KILLERS

HOSE END
SPRAYERSAcme Little Beaver
Foliage Sprayer

An inexpensive, quality built, syphon breaker type sprayer which performs as efficiently as many more expensive guns on foliage of flowers, shrubs, vines and trees. Has movable spray deflector and back flow valve. Extra jars available.

Acme Big Six
Foliage Sprayer

A deluxe model with pistol grip for easier holding, positive shut-off valve operated with a flick of the thumb, an extended spray head with movable deflector and many other features. Calibrated for one to six gallons of spray. Extra jars available.

Acme Even Flow
Lawn Sprayer

A practical lawn sprayer suitable for easy application of lawn insecticides, fungicides, weed killers and soluble fertilizers. Has positive button-operated shut-off valve, and back flow valve. 20-gallon capacity when concentrate jar is full. Extra jars available.



Acme Fruit Tree Spray

A 12% captan, 12% methoxychlor, and 6% malathion combination for professional harvests from home orchards by a simple spray program. Useful on Apples, Pears, Peaches, Apricots, Plums and Cherries. 12 ounces makes 9 gallons of dilute spray. Available in 12-oz., 2-lb. and 4-lb. size.

Acme Lime Sulfur Spray

Contains 29% calcium polysulfides. At dormant strength used before sap returns as a clean-up spray of scale insects, rusts and mildew on fruit and shade trees, Roses and shrubs. Also for livestock. Available in quart, gallon and 5-gallon size.



Acme Tomato Dust

Contains basic copper arsenate and basic copper sulphate for control of hornworm, fruit worm, flea beetle, early and late blight. 1 lb. will cover 75 to 120 plants in one application. Available in 8-oz. Pump Gun, 1-lb. and 4-lb. size.



Acme Red River Potato Mix

Contains 56.5% basic copper arsenate and 9.5% DDT. An effective control for insects and blight attacking Potatoes. Does not rely on DDT alone to kill resistant Potato bugs. Available in 1-lb. and 4-lb. size.

WETTABLE POWDER
AND DUSTCOMBINATION
INSECTICIDES, FUNGICIDES

Acme All Round Dust

Contains 5% methoxychlor, .75% rotenone, 5.2% zineb. Two insecticides and one fungicide combined for control of common insects and plant diseases. Effective on flowers, vegetables, bush fruits. Available in 10-oz. Squeeze Duster, 8-oz. Pump Gun and 1-lb. size.



Acme Rose Dust

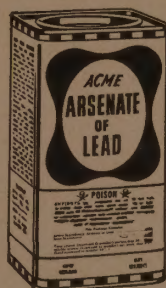
Contains 7% captan for blackspot; .75% Karathane® for powdery mildew; 4% malathion (premium grade) for aphids, thrips, lacebugs, many other insects; and 5% DDT for rose chafer and other beetles. Available in 8-oz. Squeeze Duster, 8-oz. Pump Gun, 1-lb. and 4-lb. size.



Acme All Round Spray

Contains 5% DDT, .75% rotenone, 15% ziram, and 20% sulphur. A fruit spray—a flower spray—useful on vegetables. Ideal for the amateur who wants high-grade protection without the necessity of using a number of controls for various pests. Available in 1-lb. and 3-lb. size.

PRICES ON REQUEST

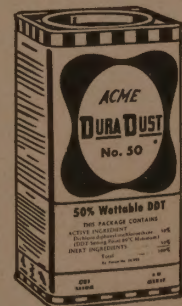


Acme Arsenate of Lead

Effective on insects damaging fruit and shade trees, vegetables, shrubs, etc. Excellent bagworm control. Combats grubs and earthworms in turf application on lawns. Recommended as pre-emergent crabgrass killer. Available in 1-lb. carton, 1-lb. bag and 4-lb. size.

Acme Dura Dust No. 50

50% DDT Wettable Powder. Kills many insects on fruit and vegetables. On shade trees controls cankerworms and other pests. On lawns, destroys cutworms, army worms, sowbugs, Japanese beetles, white grubs, others. Area mosquito control directions. Available in 1-lb., 4-lb. and 50-lb. size.



FUNGICIDES

ACME
INSECTICIDES

WEED KILLERS

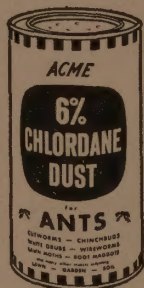
WETTABLE POWDER AND DUST

**Acme Garden Guard**

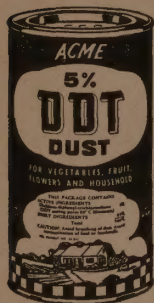
1% rotenone is harmless to humans and pets. Can safely be used right up until harvest time without fear of harmful residues. Controls a wide range of insects preying on Beans, Cabbage, Currants and many vegetables, also flowers. Available in 1-lb., 4-lb. and 50 lb. size.

Acme 6% Chlordane Dust

On lawns—for ants, chiggers, grubs and sod webworms. In gardens—for cutworms, earwigs, sowbug and leaf-cutting ants. In the soil—for wireworms, Japanese beetle grubs and white grubs. In the home—for ants, roaches, silverfish, centipedes, crickets, spiders, carpet beetles and box elder bugs. Available in 1-lb. and 4-lb. size.

**Acme 5% DDT Dust**

Controls many insects attacking flowers, vegetables and bush fruit. Numerous household usages to control ants, bedbugs, roaches, carpet beetles and clothes moths. Excellent for bulb treatment before storing or planting. Available in 1-lb. and 4-lb. size.

**Acme Paris Green**

Controls potato bug, tobacco worm, sugar webworm, army worm and other leaf-eating insects. Useful in mixing with sweetened bran in preparing sowbug and grasshopper baits. Available in 1/4-lb. and 1-lb. size.



LIQUID SPRAYS

Acme Sure Noxem Garden Spray

Formula includes Thiodan®, malathion, DDT and Tedion®, assuring control of caterpillars, worms, plant bugs, beetles, scale crawlers, leaf miners, aphids and spider mites of many types on ornamentals and around homes. (THIODAN is a Reg. T.M. of Farbwerke Hoechst, A. G.) Available in 4-oz., 8-oz. pint and quart size.

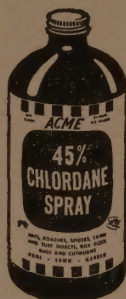


PRICES ON REQUEST

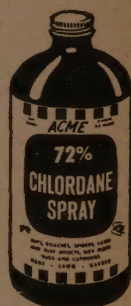
LIQUID SPRAYS

Acme 45% Chlordane Spray

Use on lawns for ants, chiggers, white grubs, grasshoppers, sod webworms, others. In garden soil controls cutworms, wireworms, others. Controls household pests such as ants, roaches, silverfish, crickets, spiders, box elder bugs, termites, others. Available in 8-oz., pint, quart and gallon size.

**Acme 72% Chlordane Spray**

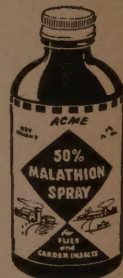
Controls the same insects as 45% in lawns, gardens and homes. Recommended as liquid pre-emergent crabgrass control. Excellent termite insecticide. Available in 4-oz., 8-oz., pint, quart and gallon size.

**Acme Dieldrin 18**

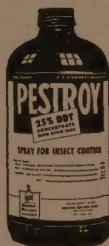
Potent against ants, grasshoppers, grubs, sowbugs, slugs, root maggots, others in turf and garden. Used to control silverfish, box elder bugs, termites, wasps, carpet beetles in and around the house. Long residual effectiveness. Available in 8-oz. quart and gallon size.

**Acme 50% Malathion Spray**

Controls aphids, mites, mealy bugs, scale and many other insects attacking flowers, vegetables, evergreens, ornamentals, fruit and shade trees. Also a fly and mosquito control. Available in 1-oz., 4-oz., 8-oz., pint, quart and gallon size.

**Pestroy 25% DDT**

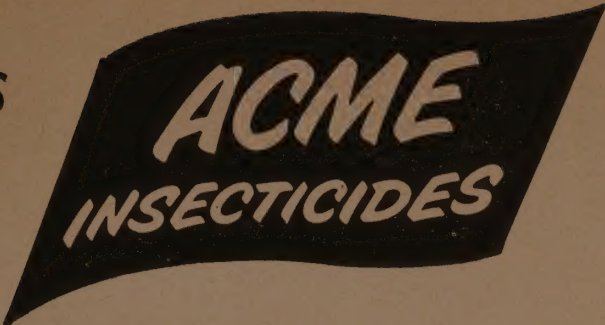
Effective area mosquito control for enjoyable outdoor living. On shade trees and shrubs controls cankerworms, tent caterpillars, leaf miners, elm leaf beetles, and many others. Used to reduce fly populations. Available in quart and gallon size.

**Acme Dimite 25% DI (p-Chlorophenyl)**

Methyl-carbinol, often called D.M.C., a specific for control of red spiders, European and citrus red mite, spruce mite, cyclamen mite, clover mite, and other spider mites damaging evergreens, flowers, shade trees and shrubs. Available in 2-oz. and 8-oz. size.



FUNGICIDES



WEED KILLERS

LIQUID SPRAYS

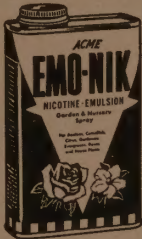


Acme 5% Lindane Spray

Useful in control of hard-to-kill bugs on foliage and flowers both indoors and out, and in early spraying of fruits and vegetables. A residual spray for flies. Controls turf and soil insects. Available in 4-oz. and pint size.

Acme Emo-nik

Contains 1.50% nicotine alkaloid. Controls aphids, mealy bug, red spider, thrips, white fly, rust mites, certain scale insects. Available in 4½-oz., pint, quart, gallon and 5-gallon size.



FUNGICIDES

Acme Bordeaux Mixture (Equals 8-8-100 When Mixed)

Controls Strawberry leaf spot; grey mold on Peonies and Lilies; leaf spot on Iris; Dogwood blight, anthracnose and leaf spot on Maples and Sycamores; twig blight of Yews and Junipers—wherever Bordeaux is recommended for disease control. Available in 1-lb. and 4-lb. size.



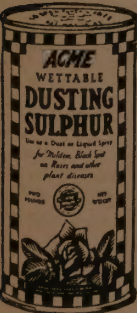
Acme Garden Fungicide

Contains 30% captan and 3% Karathane®. Blackspot and powdery mildew on Roses are efficiently mastered with this product. Controls mildew and leaf spots on most flowers, ornamentals, Apples and Pears as well as Cantaloupe, Cucumber and Squash. Controls brown patch and mildew on turf. Available in ½-lb. size.



Acme Wettable Dusting Sulphur

Contains 95% sulphur. Controls mildew, blackspot, leaf spot, almond mite, two-spotted mite, red spider, thrips on Roses, Chrysanthemums, Snapdragons, Dahlias and most other flowers. Effective for chigger control in lawns. Available in 2-lb. size.

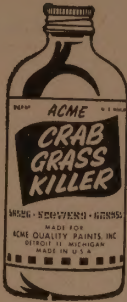


PRICES ON REQUEST

WEED KILLERS

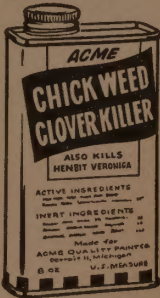
Acme Crab Grass Killer

Recommended for use on established lawns. Contains ammonium methyl arsonates 16%. Formulated to control crabgrass, Dallis grass, witch grass, foxtail, barnyard grass and sedge. Pint covers 2000 square feet of area. Available in pint and quart size.



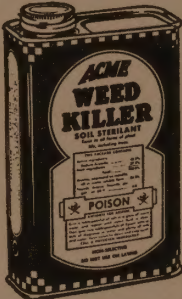
Acme Chickweed Clover Killer

Positive acting 13.3% iso-octyl ester of 2,4,5-TP. Kills chickweed clover, henbit, veronica, knotweed, ground ivy and other hard-to-kill weeds. One application gives safe, sure control where more than one spraying may be required with other chemicals. Available in 8-oz. and quart size.



Acme Weed Killer

A total weed killer of quick-acting 42.5% sodium arsenate solution. Used to eradicate weeds and unwanted vegetation on driveways, parking areas, cracks in sidewalks, fence rows, etc. Will not stain stone or concrete. One gallon concentrate covers 320 square feet. Available in pint, quart, gallon and 5-gallon size.



Weed-no-More (Improved)

Positive acting iso-octyl 2,4-D and silvex 2,4,5 TP. Rids lawns of more weeds than ever before without harming most common lawn grasses. Kills dandelion, plantain, common chickweed, black medic, dock, ragweed, thistle, wild mustard, buckthorn and clover. Half pint covers the average lawn. Handy economical Weed-No-More plastic sprayer fits standard screw-top gallon jug. Available in 8-oz., pint, quart, gallon and sprayer size.



HOUSEHOLD

Acme Roach Blaster

Just remove cap and squeeze can to squirt liquid stream along baseboards, cracks, under sinks or wherever roaches hide. Also controls ants, bedbugs and fleas. A colorless, odorless material having long residual value. Non-staining on linoleum or painted surfaces. Contains 2% ronnel. Available in pint and quart size.



BIRD Vita-Bands

VITA-BAND "D" contains root growth until grower chooses to let root through Band. Only quick, slight pressure is needed to crack Band. Do not remove Vita-Band "D" when transplanting. Band disintegrates in the soil, permitting free growth of roots from time of transplant. Nutrient-treated with quickly available plant food.

VITA-BAND 10 for short growing periods. Will usually contain root growth up to approximately 8 to 10 weeks. Nutrient-treated with quickly available plant food . . . your judgment determines need for additional feeding. Vita-Band 10 is identical to Vita-Band "D" except Vita-Band 10 is removed at time of transplant. Vita-Band "D" is not.



	1½x1½ x2½	1¾x1¾ x2½	2x2 x2½	2x2 x3	2½x2½ x3	3x3 x3	4x4 x3	4x4 x4
Price per 1000.....	\$5.20	\$5.55	\$5.80	\$6.30	\$6.75	\$7.60	\$9.40	\$12.40
Quantity per case.....	2000	2000	2000	2000	2000	2000	1000	1000
Weight per case—lbs...	18	21	23	28	34	40	27	35

	1½x1½ x2½	1¾x1¾ x2½	2x2 x2½	2x2 x3	2½x2½ x3	3x3 x3	4x4 x3	4x4 x4
Price per 1000.....	\$5.05	\$5.40	\$5.65	\$6.20	\$6.70	\$7.45	\$9.65	\$12.00
Quantity per case.....	2000	2000	2000	2000	2000	1000	1000	500
Weight per case—lbs...	32	36	41	49	61	36	47	32

BIRD RED & VITA-POTS

RED: For shipping only. Not recommended for growing. Light weight and sturdily made to protect rootball from breakage. Inner wax coating prevents drying out. A "must" to preserve the top quality of your plants in transit. Delivering quality promotes repeat business.

VITA-POTS: For growing and shipping—they are nutrient treated. Growing results are similar to Vita-Bands. VITA-POTS prevent rootball disturbance. No handling and storage of heavy pots. VITA-POTS can be packed quickly and easily for shipment.

	2 in.	2¼ in.	2½ in.	3 in.	3½ in.	4 in.	5 in.	6 in.
RED	\$9.00	\$9.00	\$9.10	\$9.60	\$12.80	\$15.50	\$19.00	\$23.40
VITA-POTS	\$16.05	\$16.45	\$17.05	\$19.15		\$28.25	\$36.75	

BIRD Tom Thumb FLATS

Tom Thumb Flats are made of heavy waterproof fibre resinous material, and we would advise using with the No. 10 Band. The most economical way to sell annual plants in dozen lots. Potted plants sell easier at premium prices. Sold only in units of 250 sets minimum.

	Per 1000
Tom Thumb Flats—size No. 1 for 1 doz. 1¾-inch No. 10 Vita-Bands.....	\$44.70
Tom Thumb Flats—size No. 2 for 1 doz. 2-inch No. 10 Vita-Bands.....	49.60
Combination 1M Flats with 12M No. 10 Vita-Bands—size No. 1 (in units of 500 only).....	96.80
Combination 1M Flats with 12M No. 10 Vita-Bands—size No. 2 (in units of 500 only).....	106.70

This item should be ordered as early as possible to insure prompt delivery from the manufacturer.

NEW BIRD PEAT POTS

A new rugged transplanting and shipping pot of rich nutrient content which feeds the plant right from the start and continues until the pot has disintegrated in transplanting.

ROUND and SQUARE PEAT POTS

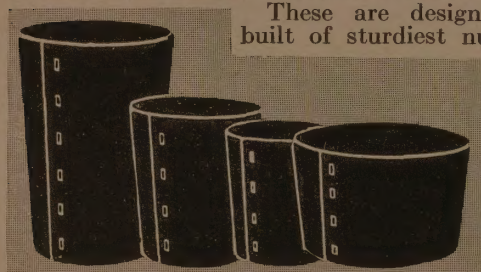
	2¼ in. round	3 in. round	2 in. square	3 in. square
Price per 1000.....	\$7.50	\$13.40	\$7.50	\$15.50
Quantity per case.....	2000	2000	2000	2000
Weight per case.....	22	38	20	36

STRAIGHT WALL PEAT POTS

	2¼ in.	3 in.
Price per 1000.....	\$7.50	\$13.40
Quantity per case.....	2000	2000
Weight per case.....	20	38

BIRD'S PERENNIAL POTS

These are designed in size and built of sturdiest nutrient materials to do the job for any grower. Firmly stapled, they handle and ship well and in every way promote increased sales.



Height.....	5 in.	5½ in.	6½ in.	9½ in.
Top diameter.....	8 in.	5 in.	6 in.	7 in.
Bottom diameter.....	7 in.	4 in.	4½ in.	5½ in.
Price per 1000.....	\$65.00	\$47.50	\$58.50	\$69.00
Quantity packed per case....	200	200	200	200
Gross weight per case.....	65 lbs.	33 lbs.	44 lbs.	71 lbs.

Sold only in units of 200 at the above quoted prices.

FERTO-POTS

For earlier, better crops and bigger profits.

FERTO-POTS produce earlier crops and more abundant yields, and are extensively used by the most successful gardeners.

FERTO-POTS are constructed of manure and fertilizer in the correct proportions for best plant growth and for holding the moisture at roots of the plants. The plants are not removed from the pots when they are set out. Simply set pot and all in the ground and the roots will grow right through the pot, which slowly breaks down, furnishing valuable plant food. Roots are not disturbed and plants not checked.



Carton of 100 No. 3 (3 inch), \$4.25.

Carton of 250 No. 3 (3 inch), \$7.50, not postpaid

Please refer to page 3 for postal rates.

POTS and PLANT BANDS—Continued

“JACK POT” PEAT POTS

STURDIWALL			Price
Pot size	Packed	Weight	per 1000
2 1/4 in. round.....	3000	44	\$9.10
2 1/4 in. square.....	2000	36	11.45
3 in. round.....	1000	28	15.80
3 in. square.....	1000	30	20.00
4 in. round.....	500	30	31.00
4 in. Std. Azalea.....	500	30	31.00

THIN LINE PEAT POTS

Pot size	Packed	Weight	Per 1000
1 3/4 in. square.....	3000	28	\$7.60
2 1/4 in. round.....	3000	36	7.95
2 1/4 in. square.....	2500	34	9.10
3 in. round.....	1250	32	14.00
3 in. square.....	1000	27	16.90

Above prices quoted are f.o.b. Grand Rapids, with freight allowed on 150 lbs. or more in the state of Michigan (lower peninsula). Prices quoted on large quantities on request.

WOOD VENEER PLANT BANDS

Used by the largest growers of vegetable plants, perennial plants, Carnations, Snapdragons and Stocks, for transplanting to the greenhouse or out-of-doors. Packed 1000 to a carton.

Shipping Weight		Per 1000
1 3/4 x 1 3/4 x 2 1/2.....	33 lbs.	\$6.95
2 x 2 x 2.....	34 lbs.	6.95
2 x 2 x 2 1/2.....	35 lbs.	7.10
2 1/4 x 2 1/4 x 2 1/2.....	38 lbs.	7.40
2 1/2 x 2 1/2 x 2 1/2.....	40 lbs.	7.60
2 x 2 x 3.....	40 lbs.	7.95
2 1/2 x 2 1/2 x 3.....	45 lbs.	8.25
2 3/4 x 3 x 2 1/2.....	50 lbs.	8.50
3 x 3 x 3.....	55 lbs.	8.50
3 x 3 x 4.....	60 lbs.	8.80
4 x 4 x 3.....	60 lbs.	8.90
4 x 4 x 4.....	65 lbs. Packed 500 to carton	9.75

These bands are stapled, and are sold in units of 1000 only. Above quoted prices are subject to change without notice, and are f.o.b. Grand Rapids. We will quote mill direct prices when desired. Orders should be placed two to three weeks before delivery date.

PRUNING TOOLS

CLAUS ROSE PICKER. Flower-holding shears made of the finest cutlery steel, to cut and hold the flower stem in one easy snip. Protects hands from stem thorns. \$2.25 each.

SEYMOUR SMITH No. 149. A lightweight, powerful pruner; anvil cutting action. 20-inch handle. \$5.95 each.

No. 28 CARTWRIGHT. Drop forged steel cutting shears. 21-inch white hickory handle. Very durable. \$7.00 each.

CARTWRIGHT MIDGET. Same as above, but with 14-inch handles. \$5.25 each.

WOODMAN'S GRAFTING COMPOUND. A necessary sealer after pruning, or for damaged bark or limbs. Also used in graft work. Qt. 97c; gal. \$2.49.

ANTROL TREE WOUND DRESSING. A convenient aerosol pressure bomb applicator sprays the dressing compound over bark bruises and pruning cuts. A perfect seal from weather deterioration. 5-oz. bomb 89c.

TRI-PLY TREE WRAP. Protects against sun-scald, borers, rodents, frosts and abrasions. 4 inches wide. 35-ft. roll 69c; 125-ft. roll \$1.25.



WOOD LABELS

For Marking Plants	50	100	1000
5/8 x 4 in., plain.....	\$0.25	\$0.45	\$3.20
5/8 x 4 in., painted.....	.30	.55	3.95
5/8 x 5 in., plain.....	.30	.50	3.45
5/8 x 5 in., painted.....	.35	.60	4.30
5/8 x 6 in., plain.....	.30	.50	3.80
5/8 x 6 in., painted.....	.35	.60	4.75
5/8 x 8 in., plain.....	.40	.70	5.50
5/8 x 10 in., plain.....	.45	.85	6.75
5/8 x 12 in., plain.....	.55	1.00	8.00
5/8 x 3 1/2 in., wired.....	.30	.50	3.85

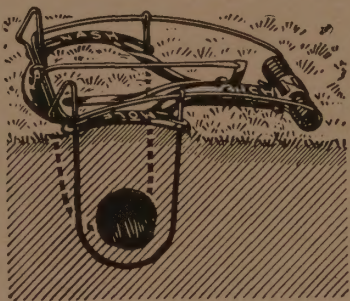
Prices subject to change without notice.

PLASTIC PLANT TRAYS

We offer these standard-sized plant trays manufactured by a leading plastic engineer. There is a greater demand each year for bedding plants grown in these convenient units for easier handling and cleaner sales to the customer.

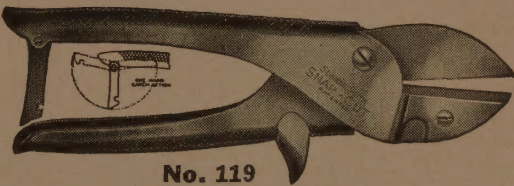
Size	Per 1000
5 x 5 in., 900 units to carton.....	\$25.00
5 1/4 x 5 1/4 in., 900 units to carton.....	25.00

Standard 8 Pak, 1200 trays to carton. Prices f.o.b. Grand Rapids.



Nash Choker Loop Mole Trap

The only trap that always catches the mole in all kinds of ground. \$3.95.



No. 119

8-inch Original “Snap Cut” finished in chrome. \$3.25. No. 118, same as above but 6 inches, \$2.49.



MIRACLE GRASS CLIPPER. Basic design insures perfect operation under all conditions. Blades do not stick or spread. Super grip \$2.95; No. 2 \$2.65.

MIRACLE. 9-inch blade. Recommended for heavy branch trimming. \$7.75 each.

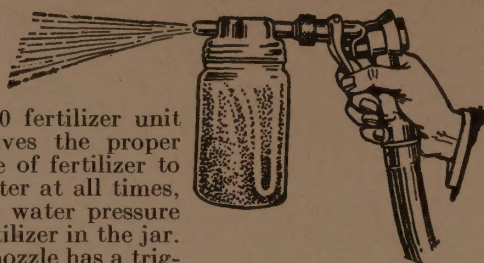
K-100. 9-inch blades. Strongly reinforced handle. \$4.25 each.

MIRACLE HEDGE SHEARS. 9-inch. Dynamic tempered blades. \$4.60 each.

No. 1312. POLE PRUNER. 12 feet in length—two 6-foot sections. Will trim up to 1/2-inch cuts. \$9.00 each. Saw blade attachment for a 1312 pole pruner. \$1.59.

MISCELLANEOUS SUPPLIES

Tricon Nozzle and Fertilizer Unit



Model No. 500 fertilizer unit automatically gives the proper ratio of $\frac{1}{2}$ ounce of fertilizer to one gallon of water at all times, regardless of the water pressure or amount of fertilizer in the jar. The all-purpose nozzle has a trigger control giving complete control of distribution in hand of the operator. Reversible cap quickly gives you any kind of stream needed. An efficient automatic unit which distributes soluble fertilizers evenly and easily. **\$6.25.**

Hozon

A siphon applicator for soluble fertilizer distribution. Attaches at outlet valve. Tube siphon insert drops into solution and water pressure draws balanced solution out through the attached sprinkling hose as a spray or liquid feed. **\$2.25, not prepaid.**

No. 243 Redimix 2-in-1

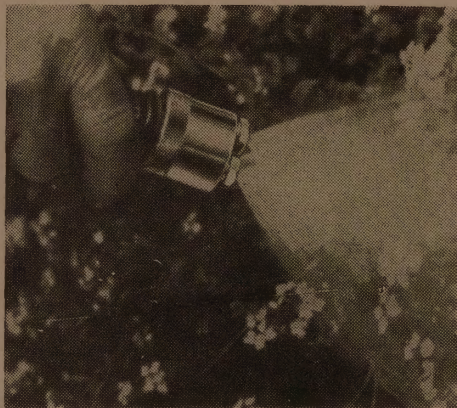
Attaches to garden hose. With the "dial-a-spray" control valve, it controls the flow of water from the garden hose to spray insecticides, fungicides, weed killers and soluble plant food. **\$4.95.**

No. 484 Hosemaster

Fertilizer-insecticide sprayer offers any type of spray desired in perfect automatic mixture of water and liquid chemicals, according to adjustment of the new jet metering stem. Pistol grip water control can be turned on and off at the point of use. Sprays up to 100 gallons of solution without refilling. Lightweight, streamlined, all brass non-corrosive mechanism. Unbreakable pint size polyethylene liquid container. **\$5.95, not postpaid.**

Fogg-it Nozzle

This is the answer to plant growers and florists who need a nozzle which will break water into a fine mist or fog-like spray for watering seed beds, new plantings, young plants and all tender plants such as Fuchsias, Begonias, etc. Will not wash away seed, soil or fertilizer. Works efficiently with high or low water pressure on any standard garden hose. **\$1.95, not postpaid.**



Flaring Rose Fan Spray

This is the fan spray most widely used by florists and greenhouse growers. The very fine holes produce just the desired water control on tender seedlings and plants. **\$1.35, not prepaid.**

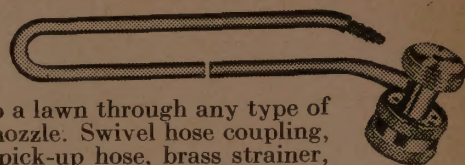


CYCLONE SEEDER

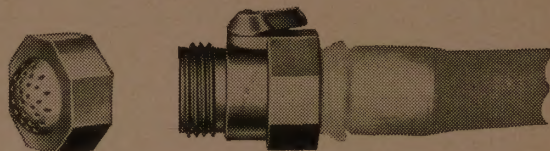
The body of this improved seeder is constructed of one piece deep drawn steel or weld. Gears are in dustproof chamber, permanent lubrication. Entire unit designed for perfect seed or fertilizer broadcasting. **\$7.10.**

No. 246 Redimix Garden Feeder

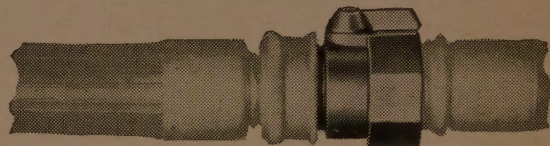
Attaches between faucet and garden hose to siphon chemical out of bucket onto a lawn through any type of sprinkler or hose nozzle. Swivel hose coupling, 36-inch neoprene pick-up hose, brass strainer, back siphonage protection, solid brass working parts. **\$2.29.**



No. 98 "Ball Flow" Shut-Off Valve



This new "ball flow" shut-off valve allows full control at union connections on extended lengths of hose or pipe. Will save many times its cost in time and convenience. No leaks or drips. **98c, not postpaid.**



No. 500 Gilmour Hosemaster

This new all-purpose nozzle has a new type threaded end for attaching to car and window-wash brushes, garden sprinklers, sprayers, etc. A tooled all solid brass valve arrangement completes a lightweight, non-corrosive nozzle for many special uses in gardens and greenhouse. Excellent water breaker for mist fog spray on seedlings and tender plants. A positive lock keeps the nozzle adjusted. **\$1.95, not postpaid.**



No. 400 Damm Aluminum Water Breaker

One of the best water breaker attachments for plant and seedling sprinkling. All aluminum, lightweight, $\frac{3}{4}$ -inch; attaches to standard threaded garden hose. **\$1.50, not postpaid.**

The Jiffy Planting Tool

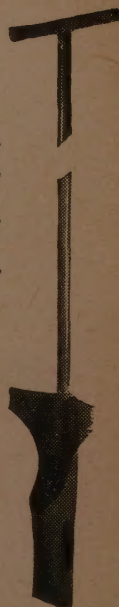
The Jiffy Planter, which one can use in a standing position, is a sturdy, practical addition to one's garden tools. Built to give a lifetime of service.

May be used in transplanting plants as well as bulb planting. Operation is simple and efficient. **\$3.25.**



Hole-in-One Planting Tool

An efficiently designed tool for bulb planting in small gardens, large estates or commercial nurseries. In one easy operation, holes are shaped up for insertion of bulbs. Mailing weight 1 lb. **\$1.00.**



Germāco
Hotkaps

or Plant Protectors

20 garden size package complete with setter \$1.10
100 package complete... 4.80
250 package complete. \$7.95
1000 carton, per 1000... 26.15
5000 lots, per 1000... 25.15
Shipped prepaid in Michigan. We do not split packages of Hotkaps.



HOT TENTS

These are large, strong, reinforced with wire to give the user a larger area to cover individual plants. Size 14x11 in. at the base, 8½ in. high. Weight 35 lbs. to a carton of 500.

500 to a carton... \$36.00 per 1000

SUPER HOT TENTS

Extra strong, reinforced with wire, large in size, 18x14 in. at base, 12 in. high. Weight 60 lbs. to a carton.

500 to a carton... \$52.50 per 1000

Hot Tents and Super Hot Tents cannot be sent by mail on account of size, and are not prepaid. Available only in cartons of 500.

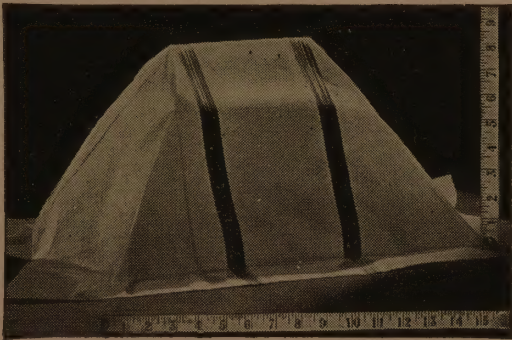
SETTERS

Fibreboard setter for Hotkaps. 20c each, postpaid. Per case of 24, \$4.80, not postpaid.

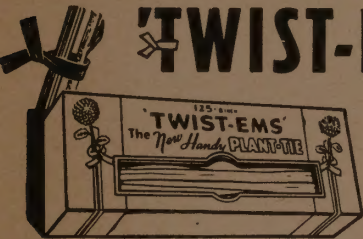
Steel setter for Hotkaps. \$2.15 each, not postpaid. Wt. 4 lbs.

Steel setter for Hot Tents. \$3.25 each, not postpaid. Wt. 4 lbs.

Steel setter for Super Hot Tents. \$3.75 each, not postpaid. Mailing weight 6 lbs.



Hot Tent



'TWIST-EMS'

Home garden package for tying up anything you grow.

Package of 100 Twist-ems, 8 in.. \$0.29
Package of 100 Twist-ems, 16 in.. .57

COMMERCIAL TWIST-EMS

Used in tying Carrots, Beets, Onions, Celery and other produce for market. "A twist of the bunch does the trick."

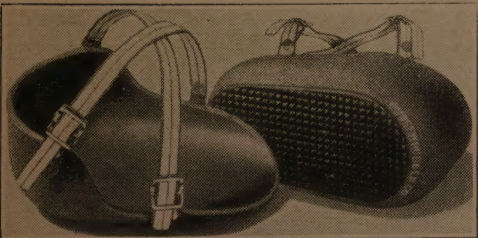
Length	Bundle of 250	Per 1000	Price per 1000 in case lots
4 in....	\$0.83		\$0.75 M
7 in....	\$0.40	1.30	25,000 @ 1.25 M
8 in....	.50	1.45	25,000 @ 1.40 M
12 in....	.75	2.20	12,500 @ 2.15 M
16 in....	1.00	2.90	10,000 @ 2.85 M

F.o.b. Grand Rapids. See page 3 for postal rates.
250 continuous feet on plastic reel. \$1.00, postpaid.



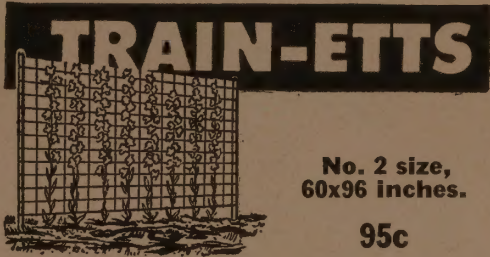
CUT OFF AS NEEDED

KNEE PADS



The most comfortable, sturdy, long-wearing knee pads available. Constructed of top quality molded rubber, with soft sponge rubber cushion on the inside. Gives positive protection against sore, aching knees. Lightweight and form-fit for any knee. Ideal for anybody who is a down-on-the-knee worker. Mailing weight 3 lbs.

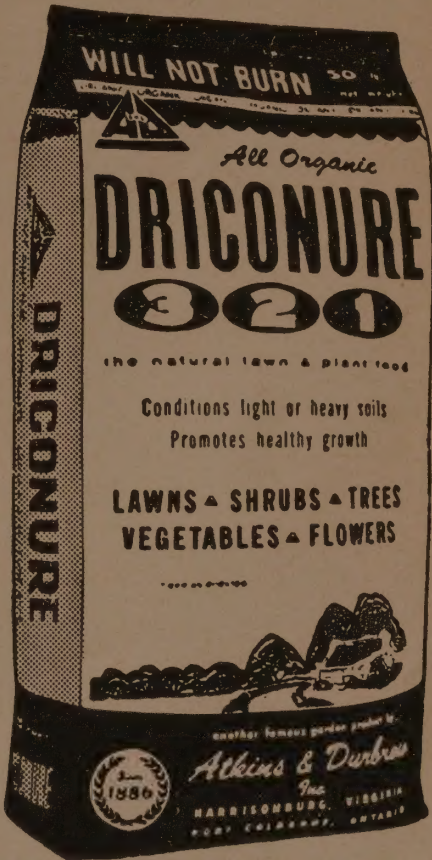
\$2.75 per pair. Postage will be extra.



No. 2 size, 60x96 inches.

95c

Ideal support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES. Hung in five minutes. Doesn't rot like string nor burn tendrils like wire.



- **SCIENTIFICALLY BLENDED** dehydrated poultry and farm manures, peat moss and other organic soil conditioners.
 - **ECONOMICAL — CONTAINS NO FILLER.** Every ounce 100% effective... nothing is wasted. Your best garden investment.
 - **SAFE AND EASY TO USE.** Applied with any standard spreader. Directions on every bag. A size to suit everyone.
- Like Professional Landscapers and home owners everywhere you will be proud to say "I use **DRICONURE.**" You can't buy a better fertilizer.

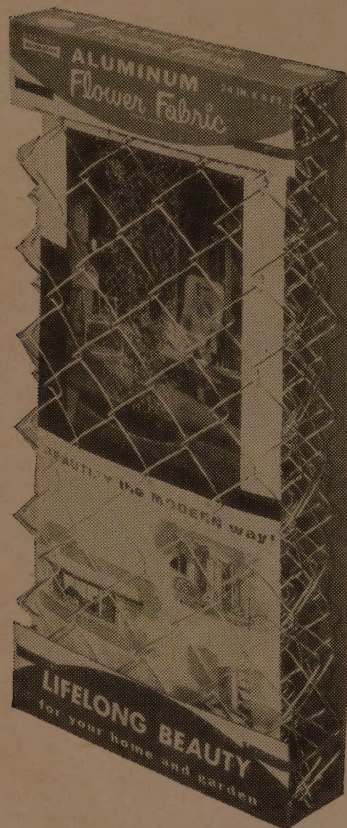


Have a Trim Lawn Without Trimming with *Nichols* ALUMINUM GRASS STOP

You don't have to hire a caretaker! Just by inserting NICHOLS GRASS STOP around trees and flower beds . . . along walks and driveways . . . you keep grass from spreading and you're able to trim those edges with your mower instead of by hand! For the trimmest-looking lawn in town with the least amount of work, edge with GRASS STOP. In 4 widths . . . 24 and 40-ft. lengths.



NICHOLS ALUMINUM GRASS-STOP
KEEPS AREAS AROUND TREES AND
BUSHES NEAT AND TRIM



Enjoy 8-ft. Vertical Gardens Grown on 1 ft. of Ground on *Nichols* Aluminum FLOWER FABRIC

Add the beauty to your home of columns thick with red Roses, purple Clematis, deep green Ivy . . . grown with practically no tending . . . on NICHOLS FLOWER FABRIC. Vertical gardens are a dazzling departure from common ground-level gardens, raising floral beauty to eye level! Order FLOWER FABRIC in 24-inch and 36-inch widths. They are 8 feet in length.

Aluminum Grass Stop

Used around trees, keeps gardens and walks clear of spreading grass. Eliminates trimming, rust-proof, lasts indefinitely. Easy to install. 40-foot coils in 4-inch and 6-inch widths. Prices quoted as requested.

Aluminum Trellis

Complete with fasteners. 24 inches wide by 10 feet high. Adds to beauty of climbing Roses and other climbing vines. Prices quoted as requested.

Aluminum Garden Wire

In 25-foot rolls. Useful in protection of garden plants and flowers; also used for special trellis work, for climbers. Prices will be quoted on request.

Use Terra-Lite* Vermiculite

Here is really the ideal growing medium! Acclaimed by professionals as the new miracle gardening aid, Terra-Lite vermiculite is a magic mineral containing billions of tiny cells that trap and store air and water, releasing them as needed to bring about massive root systems.



"NODAMPOFF" SPHAGNUM MOSS

For seed germination. Contains about 2 bu. Shipping weight 7 lbs. per sack. We will quote prices on request. F.O.B. Grand Rapids, Michigan.



With Terra-Lite to help you in your gardening, the pleasure is all yours! See how many ways Terra-Lite can help you, "all thru the year."



Starting Seeds. Sure fire means of getting maximum germination. Many fine hair roots, yet seedlings in Terra-Lite lift out with ease.

Transplanting trees, shrubs bulbs — mixing Terra-Lite with the soil loosens and aerates the soil. Plants develop large vigorous root systems.



Mulching. Winter or summer. Terra-Lite stops ground heaving, protects shrubs, bushes and other plants.

Rootings Cuttings. Big virile root masses in much less time with Terra-Lite! Cuttings need much less watering, can be transplanted without loss from shock.



Lightening Soil. Terra-Lite breaks up and aerates heavy soils, gives roots chance to develop. Mixed in sandy soil, Terra-Lite holds water, saves endless sprinkling.

Storing Bulbs. Stop storage rot with this perfect storing medium. Keeps stored bulbs and root crops firm and plump.

New Lawns. Greener healthier Terra-Lite lawns make friends, for Terra-Lite's ability to store and control air and moisture means no scorching, less watering.



Choice ANNUALS



SALVIA, DWARF

We offer the favorite varieties and types of this ever-popular bedding and border annual. We would suggest either Fireworks or Scarlet Pygmy for a low grower and St. John's Fire or Blaze of Fire for a 10 to 12-inch plant.

See page 50 for prices and description



PETUNIA, GLITTERS

This sharply red and white Petunia is dwarf growing, and the flowers are bright and cheerful in any planting area. Blends nicely in most combinations with other flowers and backgrounds.

See page 46 for prices and description



MARIGOLD, PETITE MIXED

Since Petite won the All-America Award in 1958 it has become the most popular of the dwarf double Marigolds. Petite is offered in all the Marigold colors and bicolors. Blooms very early and is most desirable for beds and borders.

See page 44 for prices and description



PETUNIA, COMANCHE

Still the best red Petunia for general use in beds, pots, planters and borders. Retains its bright red color throughout the growing season. Still the leader in annual plant sales.

See page 45 for prices and description

Annual Flower Seeds



SNAPDRAGON, PANORAMA F₂
See page 50 for prices and description



ZINNIA, THUMBELINA
See page 52 for prices and description



ASTERS, QUEEN OF THE MARKET
See page 34 for prices and description

**Grand Rapids
Growers, Inc.**

401-433 Ionia Ave., S. W.

GRAND RAPIDS, MICH.